



1-2704

ATTY DOCKET NO. 023341.9002

#12

9200/2642

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent application of
Eugene M. Pester, III

Serial No. 09/478,078

Filing Date: January 5, 2000

For: EXPERT CALL ANALYZER AND NEXT GENERATION TELEPHONY
NETWORK CONFIGURATION SYSTEM

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:
:

Group Art Unit 2642

Examiner: Bing Q. Bui

PETITION TO WITHDRAW HOLDING OF ABANDONMENT
UNDER 37 CFR §1.181

RECEIVED

Mail Stop: ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

FEB 02 2004

Technology Center 2600

To the Commissioner for Patents:

Applicant received a Notice of Abandonment (mailed December 15, 2003) for the subject application. The alleged abandonment was in view of applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability.

Certificate of Express Mailing

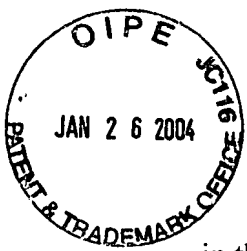
I hereby certify that this correspondence is being deposited with the United States Postal Service on January 26, 2004, with sufficient postage as Express Mail No. EU671402352US in an envelope addressed to: Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

Philip O. Post

Date:

1/26/2004



The Notice of Allowability was mailed on July 24, 2003. The three-month period set in the Notice of Allowability ended on October 24, 2003.

Applicant mailed corrected drawings under certificate of first class mailing on October 18, 2003. Applicant attaches hereto an additional extra copy of the previously mailed correspondence and Certificate of Mailing. That correspondence was received by USPTO OIPE on October 23, 2003 as evidenced by the stamp on the enclosed copy of the MPEP 503 postcard receipt.

Applicant submits that the corrected drawings were timely filed and received by the USPTO.

Applicant petitions for the withdrawal of the holding of abandonment.

Dated: *26 JANUARY 2004*

Respectfully submitted,

PHILIP O. POST, Esq.
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Facsimile: (609) 267-5705
Email: ppost@indelinc.com

CUSTOMER NO. 31855

CP 023341.P002 CORRECTED DRAWINGS SUBMISSION, APP 09/27/8,078
Inventor(s): Pester
Title: EXPERT CALL ANALYZER AND NEXT GENERATION TELEPHONY ***
via: first class mail certificate

Mail Stop DRAWING REVIEW
BRANCH
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

1. Cover Sheet / Certificate of Mailing
2. Copy PTO-37 and PTO-948
3. Corrected Drawing Sheets - 48 sheets

Please acknowledge receipt of
the attached papers by
stamping the date received on
this card and returning it to the
addressee.

Mailed October 18, 2003



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FEB 02 2004
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent application of
Eugene M. Pester, III

Serial No. 09/478,078

Filed: January 5, 2000

For: EXPERT CALL ANALYZER AND NEXT GENERATION TELEPHONY
NETWORK CONFIGURATION SYSTEM

:
:
: Examiner:
: Bing Q. Bui
:
: Group Art Unit: 2642
:

CORRECTED DRAWINGS SUBMISSION
AFTER ALLOWANCE

RECEIVED

Mail Stop DRAWING REVIEW BRANCH
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

FEB 02 2004

Technology Center 2600

To the Commissioner for Patents:

A request for corrected drawings was made in a notice of allowability mailed on July 24, 2003 (copy of PTO-37 and PTO-948 attached) for the above-identified application. Applicants submit herewith 48 corrected drawing sheets that correct the defects noted by the Drawing Review Branch. No new matter was added in making the changes.

The issue fee transmittal for the subject application was mailed on October 16, 2003.


Applicant request approval of the enclosed corrected drawings.

Respectfully submitted,

CERTIFICATE OF MAILING
UNDER 37 CFR 1.8(a)

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Mail Stop DRAWING REVIEW BRANCH, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Date: 18 OCTOBER 2003


Signature

PHILIP O. POST

Typed or printed name of
person signing certificate

By:

 10/18/2003

PHILIP O. POST

USPTO Atty. Registration No. 28,456
INDEL, INC.

Post Office Box 157

Rancocas, New Jersey 08073

Telephone: (609) 267-9000, ext 254

Facsimile: (609) 267-5705

Attorney for Applicant

USPTO CUSTOMER NO. 31855

Notice of Allowability	Application No.	Applicant(s)	
	09/478,078	PESTER, III, EUGENE M.	
	Examiner	Art Unit	
	Bing Q Bui	2642	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/9/03.
2. ☒ The allowed claim(s) is/are 30-52 (renumbered as 1-23, respectively).
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).



* Certified copies not received: _____.

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

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Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements note below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

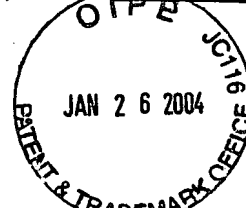
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 6 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. <u>5</u> . | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

09/478078

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 1/5/00 are:A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.

Color drawings are not acceptable until petition is granted.

Fig(s) _____

Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)

1 full-tone set is required. Fig(s) _____

Photographs may not be mounted. 37 CFR 1.84(e)

Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(c)

Paper not flexible, strong, white, and durable.

Fig(s) _____

Erasures, alterations, overwritings, interlinations,

folds, copy machine marks not accepted. Fig(s) _____

Mylar, velum paper is not acceptable (too thin).

Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4)

21.6 cm by 27.9 cm (8 1/2 x 11 inches)

All drawing sheets not the same size.

Sheet(s) _____

Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: 8 1/2 x 11

Margins not acceptable. Fig(s) _____

Top (T) _____

Left (L) _____

Right (R) _____

Bottom (B) _____

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to

correspond to drawing changes.

Partial views. 37 CFR 1.84(h)(2)

Brackets needed to show figure as one entity.

Fig(s) _____

Views not labeled separately or properly.

Fig(s) _____

Enlarged view not labeled separately or properly.

Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)

Hatching not indicated for sectional portions of an object.

Fig(s) _____

Sectional designation should be noted with Arabic or

Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS.

37 CFR 1.84(j)

Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).

Fig(s) _____

11. SHADING. 37 CFR 1.84(m)

Solid black areas pale. Fig(s) _____

Solid black shading not permitted. Fig(s) _____

Shade lines, pale, rough, and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.

37 CFR 1.84(p)

Numbers and reference characters not plain and legible.

Fig(s) _____

Figure legends are poor. Fig(s) 6

Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)

Fig(s) _____

English alphabet not used. 37 CFR 1.84(p)(2)

Figs _____

Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)

Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

Lead lines cross each other. Fig(s) _____

Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)

Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

Corrections not made from prior PTO-948 dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152

Surface shading shown not appropriate. Fig(s) _____

Solid black shading not used for color contrast.

Fig(s) _____

COMMENTS

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FEB 02 2004

Technology Center 2600

REVIEWER 8.0DATE 7/17/03

TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. 8



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

1/48

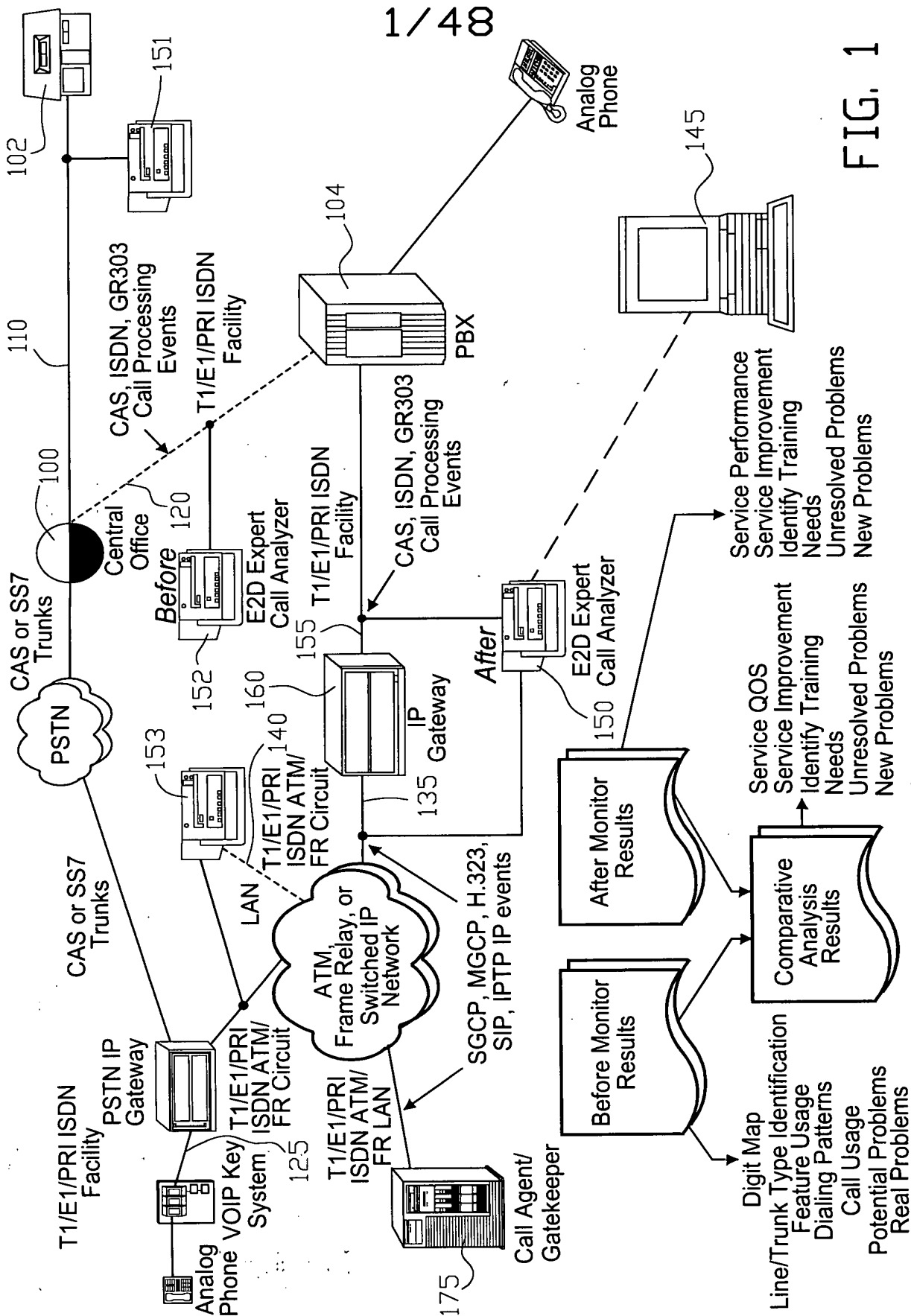


FIG. 1

2/48

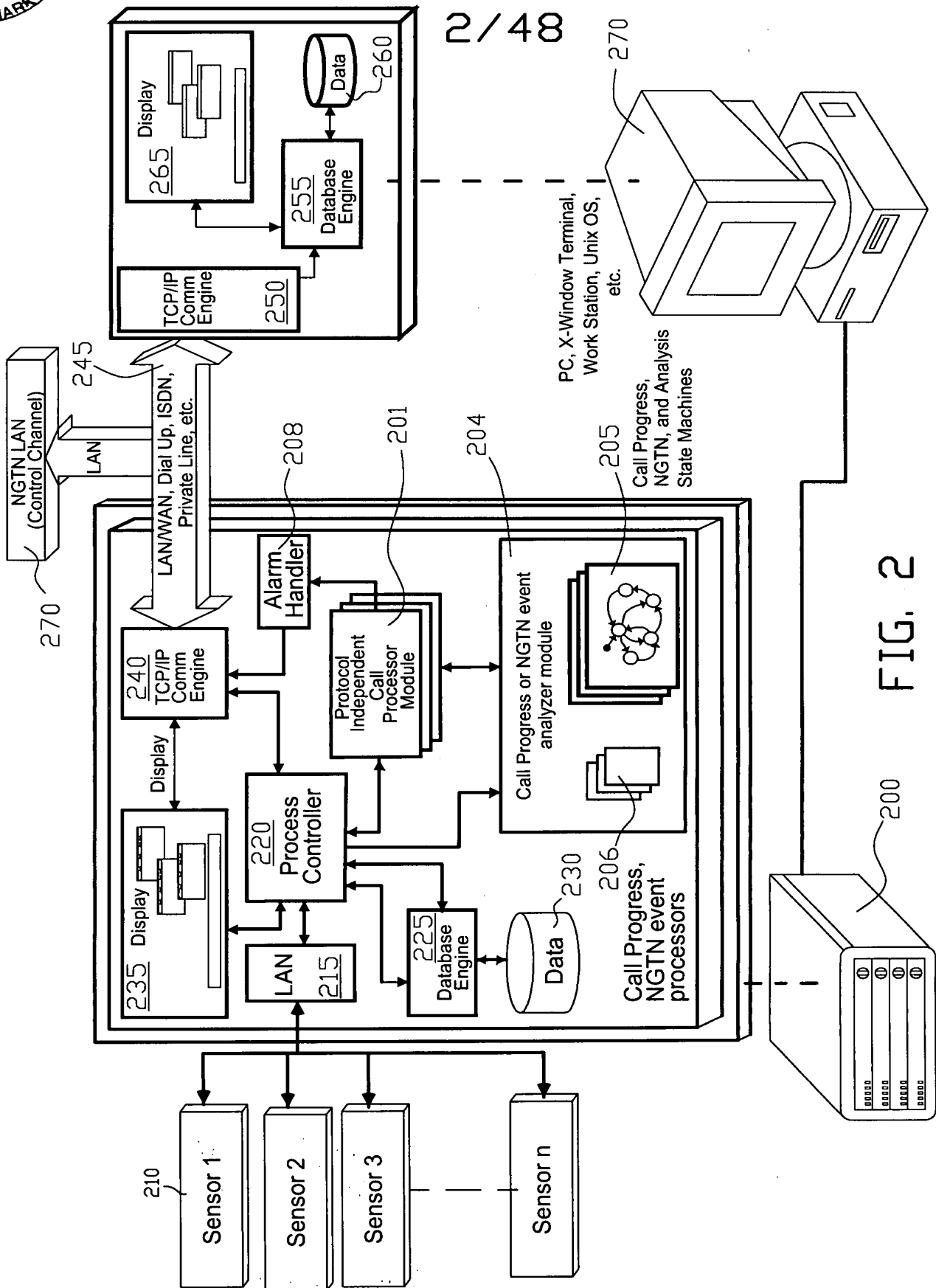


FIG. 2



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

3/48

<u>Msg. Type</u>	<u>Time (ms)</u>	<u>Side 1 ABCD</u>	<u>Side 2 ABCD</u>	<u>Side 1 CPT</u>	<u>Side 2 CPT</u>	<u>Ckt ID</u>
Supervision	0000.000	0101	0101			1<CR>
Msg. 1 <CR>						
Supervision	0320.000	0000	0101			1<CR>
Msg. 2 <CR>						
Supervision	0322.000	0101	0101			1<CR>
Msg. 3 <CR>						
Supervision	0326.000	0000	0101			1<CR>
Msg. 4 <CR>						
Supervision	0328.000	0101	0101			1<CR>
Msg. 5 <CR>						
Supervision	0329.455	0101	1111			1<CR>
Msg. 6 <CR>						
Supervision	1565.100	0101	0101			1<CR>
Msg. 7 <CR>						

FIG. 3a

<u>Msg. Type</u>	<u>Time Stamp</u>	<u>Raw Signal</u>	<u>Physical Event</u>
Supervision Msg. 1 <CR>	0000.000	0101,0101	On Hook
Supervision Msg. 2 <CR>	0320.000	0000,0101	Machine Ring On
Supervision Msg. 3 <CR>	0322.000	0101,0101	Machine Ring Off
Supervision Msg. 4 <CR>	0326.000	0000,0101	Machine Ring On
Supervision Msg. 5 <CR>	0328.000	0101,0101	Machine Ring Off
Supervision Msg. 6 <CR>	0329.455	0101,1111	Off Hook
Supervision Msg. 7 <CR>	1565.100	0101,0101	On Hook

FIG. 3b

<u>Msg. Type</u>	<u>Time Stamp</u>	<u>Raw Signal</u>	<u>Physical Event</u>	<u>State</u>
Supervision Msg. 1 <CR>	0000.000	0101,0101	On Hook	Idle
Supervision Msg. 2 <CR>	0320.000	0000,0101	Machine Ring On	Ring On
Supervision Msg. 3 <CR>	0322.000	0101,0101	Machine Ring Off	Ring Off
Supervision Msg. 4 <CR>	0326.000	0000,0101	Machine Ring On	Ring On
Supervision Msg. 5 <CR>	0328.000	0101,0101	Machine Ring Off	Ring Off
Supervision Msg. 6 <CR>	0329.455	0101,1111	Off Hook	Answer
Off Hook Timer	0331.455			Stable Call
Supervision Msg. 7 <CR>	1565.100	0101,0101	On Hook	Station on Hook

FIG. 3c



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

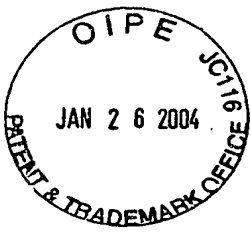
4/48

<u>Msg. Type</u>	<u>Time (ms)</u>		<u>Ckt ID</u>
CA_NotificationRequest	0000.000	RQNT 1201 endpoint-1@rgw-2567.whatever.net SGCP 1.1 N: ca@cal.whatever.net:5678 R: hd	1<CR>
GW_Ack	0000.123	200 1201 OK	1<CR>
CA_NotificationRequest	0319.856	RQNT 1202 endpoint-1@rgw-2567.whatever.net SGCP 1.1 N: ca@cal.whatever.net:5678 R: hd S: rg	1<CR>
GW_Ack	0319.947	200 1202 OK	1<CR>
CA_Notify	0329.571	NTFY 2001 endpoint-1@rgw-2567.whatever.net SGCP 1.1 N: ca@cal.whatever.net:5678 O: hd	1<CR>
CA_Ack	0330.023	200 2001 OK	1<CR>
CA_NotificationRequest	0332.838	RQNT 1203 endpoint-1@rgw-2567.whatever.net SGCP 1. N: ca@cal.whatever.net:5678 R: hu	1<CR>
GW_Ack	0332.927	200 1203 OK	1<CR>
CA_Notify	1565.367	NTFY 2002 endpoint-1@rgw-2567.whatever.net SGCP 1.1 N: ca@cal.whatever.net:5678 O: hu	1<CR>
CA_Ack	1565.501	200 2002 OK	1<CR>
CA_NotificationRequest	1572.492	RQNT 1204 endpoint-1@rgw-2567.whatever.net SGCP 1.1 N: ca@cal.whatever.net:5678 R: hd	1<CR>
GW_Ack	1572.612	200 1204 OK	1<CR>

FIG. 3d

<u>Msg. Type</u>	<u>Time Stamp</u>	<u>Raw Message</u>	<u>Ckt ID</u>
CA_NotificationRequest	0000.000	CA_RQNT,1201,R: hd	1<CR>
GW_Ack	0000.123	GW_ACK,1201,200	1<CR>
CA_NotificationRequest	0319.856	CA_RQNT,1202,S: rg	1<CR>
GW_Ack	0319.947	GW_ACK,1202,200	1<CR>
GW_Notify	0329.571	GW_NTFY,2001,O: hd	1<CR>
CA_Ack	0330.023	CA_ACK,2001,200	1<CR>
CA_NotificationRequest	0332.838	CA_RQNT,1203,R: hu	1<CR>
GW_Ack	0332.927	GW_ACK,1203,200	1<CR>
GW_Notify	1565.367	GW_NTFY,2002,O: hu	1<CR>
CA_Ack	1565.501	CA_ACK,2002,200	1<CR>
CA_NotificationRequest	1572.492	CA_RQNT,1204,R: hd	1<CR>
GW_Ack	1572.612	GW_ACK,1204,200	1<CR>

FIG. 3e



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

5/48

<u>Msg_Type</u>	<u>Time</u> <u>Stamp</u>	<u>Raw Message</u>	<u>Call Control Event</u>	<u>State</u>
CA_NotificationRequest	0000.000	CA_RQNT,1201,R:hd	Wait for OffHook	IdleWaiting
GW_Ack	0000.123	GW_ACK,1201,200	Command Accepted	IdleReady
CA_NotificationRequest	0319.856	CA_RQNT,1202,S:rg	Ring Phone	AlertingStart
GW_Ack	0319.947	GW_ACK,1202,200	Command Accepted	Alerting
GW_Notify	0329.571	GW_NTFY,2001,O:hd	OffHook	CallAnswered
CA_Ack	0330.023	CA_ACK,2001,200	Information Accepted	StableCall
CA_NotificationRequest	0332.838	CA_RQNT,1203,R:hu	Wait for OffHook	StableCallWaiting
GW_Ack	0332.927	GW_ACK,1203,200	Command Accepted	StableCallArmed
GW_Notify	1565.367	GW_NTFY,2002,O:hu	On Hook	Disconnect
CA_Ack	1565.501	CA_ACK,2002,200	Information Accepted	Idle
CA_NotificationRequest	1572.492	CA_RQNT,1204,R:hd	Wait for OffHook	IdleWaiting
GW_Ack	1572.612	GW_ACK,1204,200	Command Accepted	IdleReady

FIG. 3f



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

6/48

<u>Time</u> <u>Stamp</u>	<u>Current Call Progress</u> <u>State</u>	<u>Current NGTN Control</u> <u>State</u>	<u>Current Analysis State</u>	<u>New Analysis State</u>
0000.123	Idle	IdleReady	Idle	Idle
0319.856	Idle	AlertingStart	Idle	CircuitReady
0319.947	Idle	Alerting	CircuitReady	AlertingReady
0320.000	Ring On	Alerting	AlertingReady	AlertingNormal
0322.000	Ring Off	Alerting	AlertingNormal	AlertingNormal
0326.000	Ring On	Alerting	AlertingNormal	AlertingNormal
0328.000	Ring Off	Alerting	AlertingNormal	AlertingNormal
0329.455	Answer	Alerting	AlertingNormal	StopRinging
0329.571	Answer	OffHook	StopRinging	RingingStopped
0330.023	Answer	StableCall	RingingStopped	StableCallWaiting
0331.455	Stable Call	StableCall	StableCallWaiting	ValidCall
0332.838	Stable Call	StableCallWaiting	ValidCall	DisconnectWaiting
0332.927	Stable Call	StableCallArmed	DisconnectWaiting	DisconnectArmed
1565.100	Station On Hook	StableCallArmed	DisconnectArmed	Disconnect
1565.367	Station On Hook	Disconnect	Disconnect	CallClearing
1565.501	Station On Hook	Idle	CallClearing	ValidEndOfCall
1572.492	Station On Hook	IdleWaiting	ValidEndOfCall	ResetStart
1572.612	Station On Hook	IdleReady	ResetStart	Idle

FIG. 3g

<u>Time</u> <u>Stamp</u>	<u>Current Call Progress</u> <u>State</u>	<u>Current NGTN Control</u> <u>State</u>	<u>Current Analysis State</u>	<u>New Analysis State</u>
0000.123	Idle	IdleReady	Idle	Idle
0319.856	Idle	AlertingStart	Idle	CircuitReady
0319.947	Idle	Alerting	CircuitReady	AlertinReady
0321.949	Idle	Alerting	AlertingReady	AlertTimeOut
0323.949	Idle	Alerting	AlertTimeOut	GW_ErrNoRinging
0353.955	Idle	Disconnect	GW_ErrNoRinging	CallCancel
0354.129	Idle	Idle	CallCancel	InvalidCall
0363.013	Idle	IdleWaiting	InvalidCall	ResetStart
0363.131	Idle	IdleReady	ResetStart	Idle

FIG. 3h

7/48

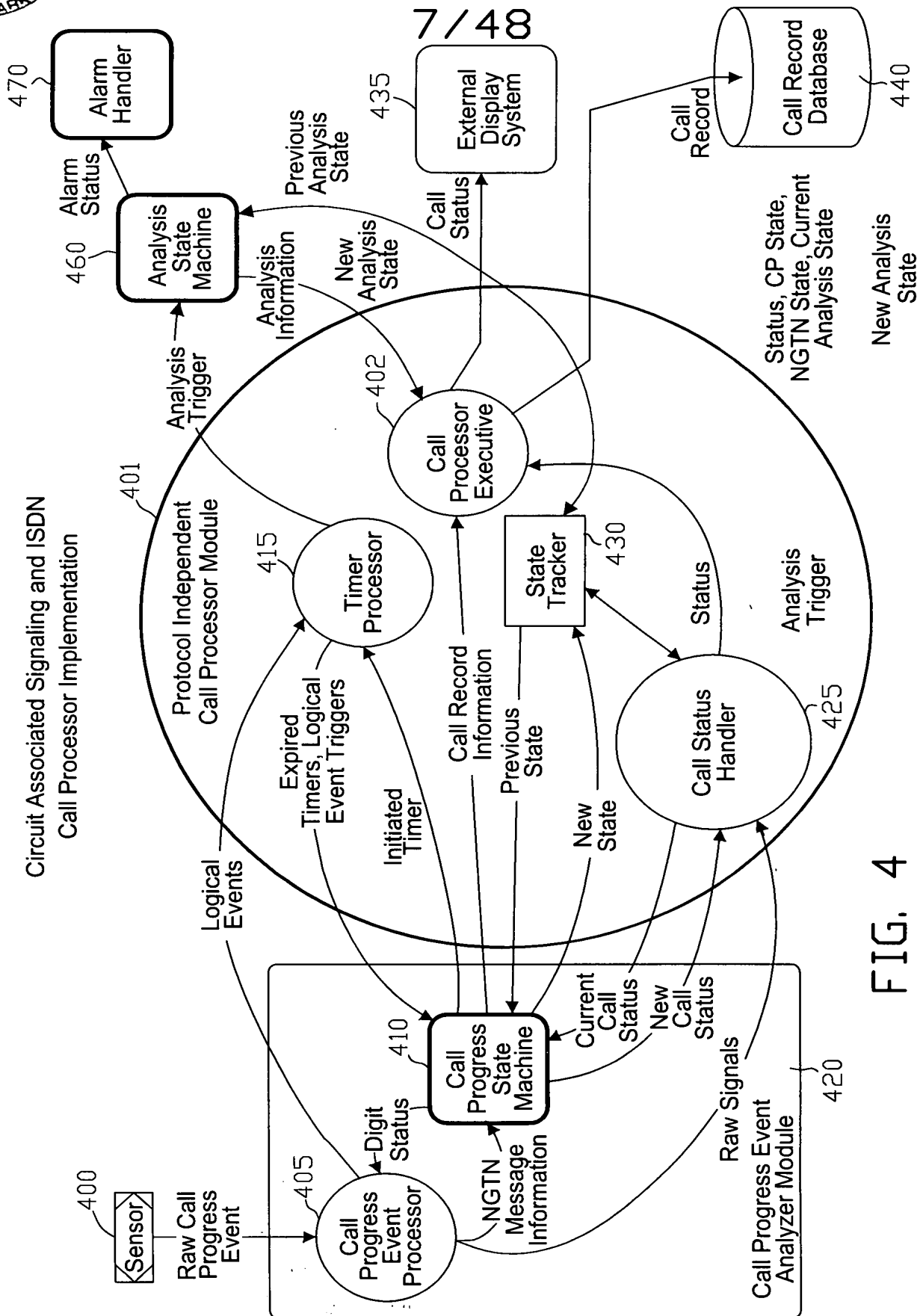


FIG. 4

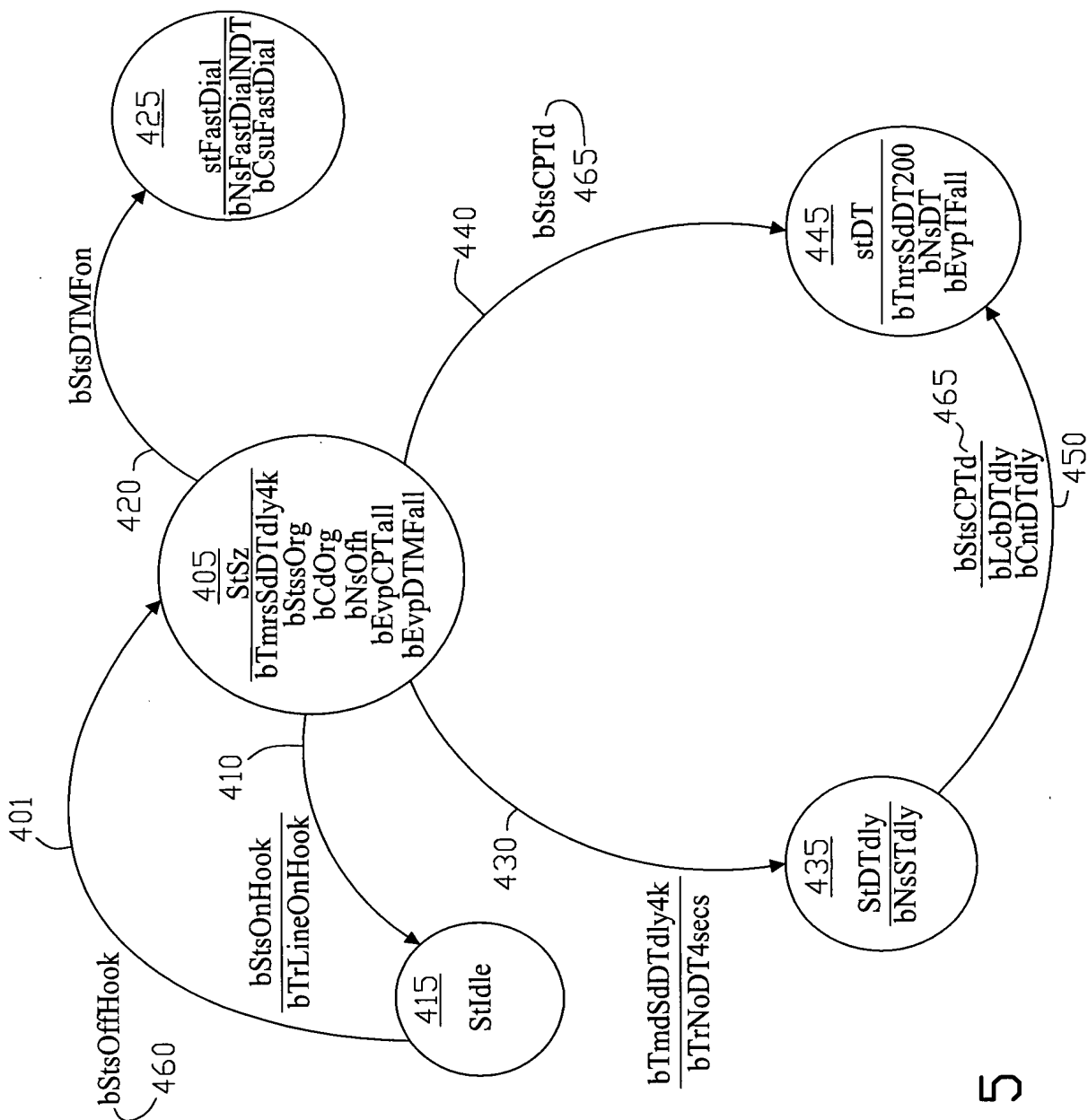


FIG. 5



10/48

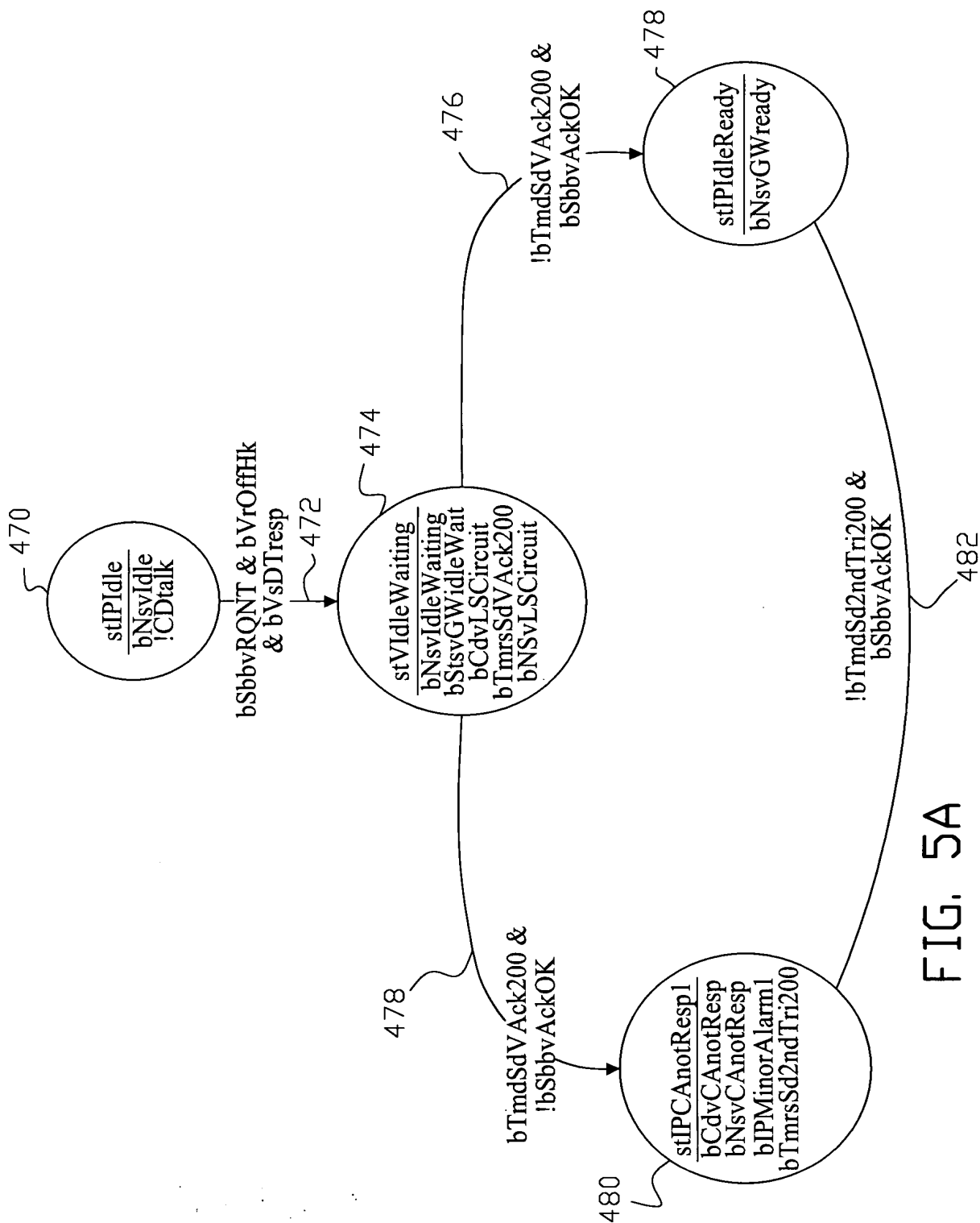
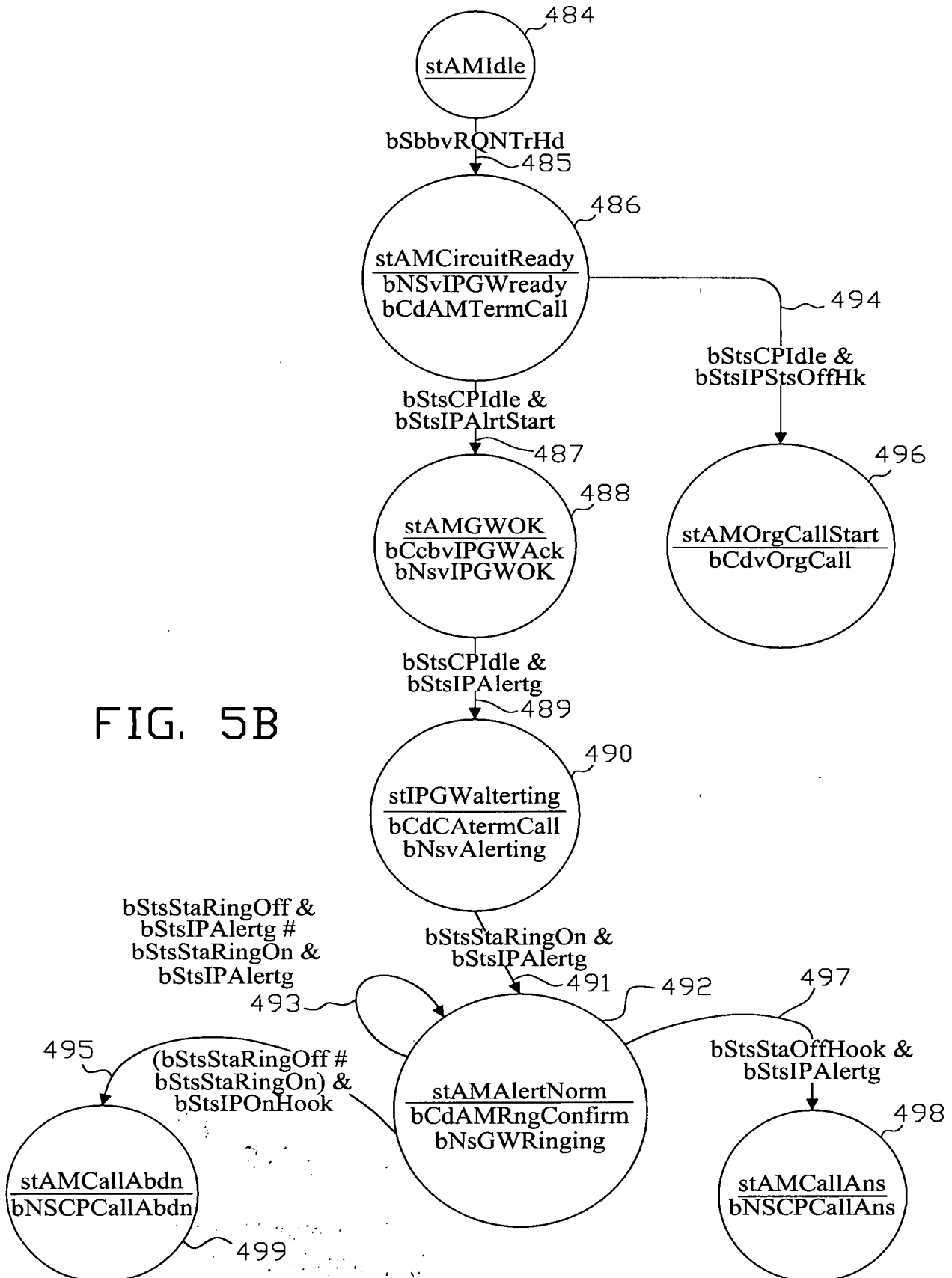


FIG. 5A



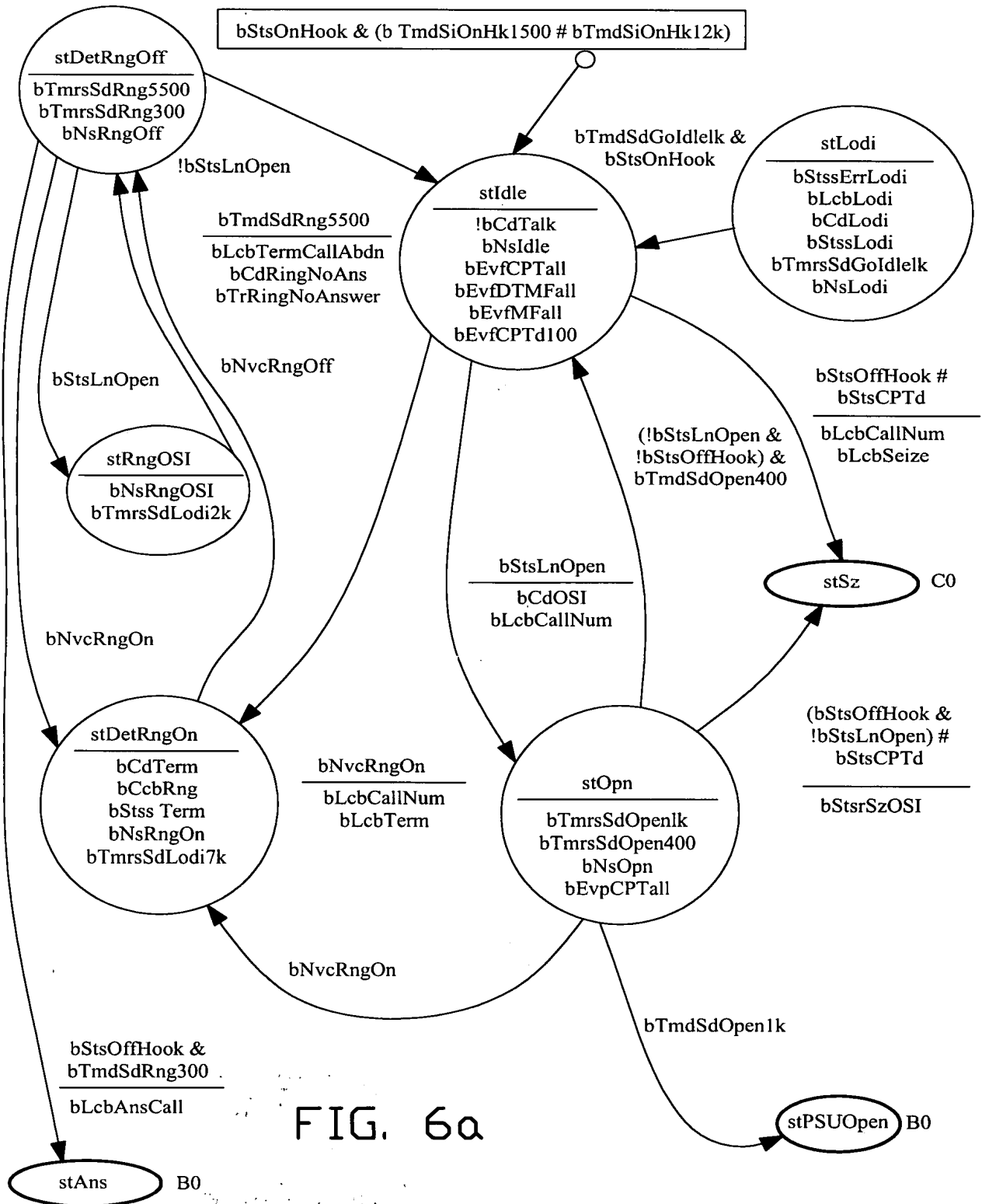
11/48

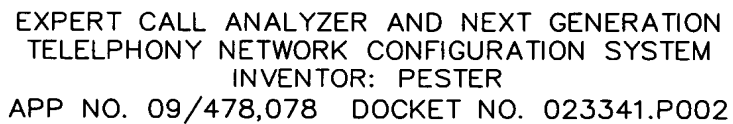




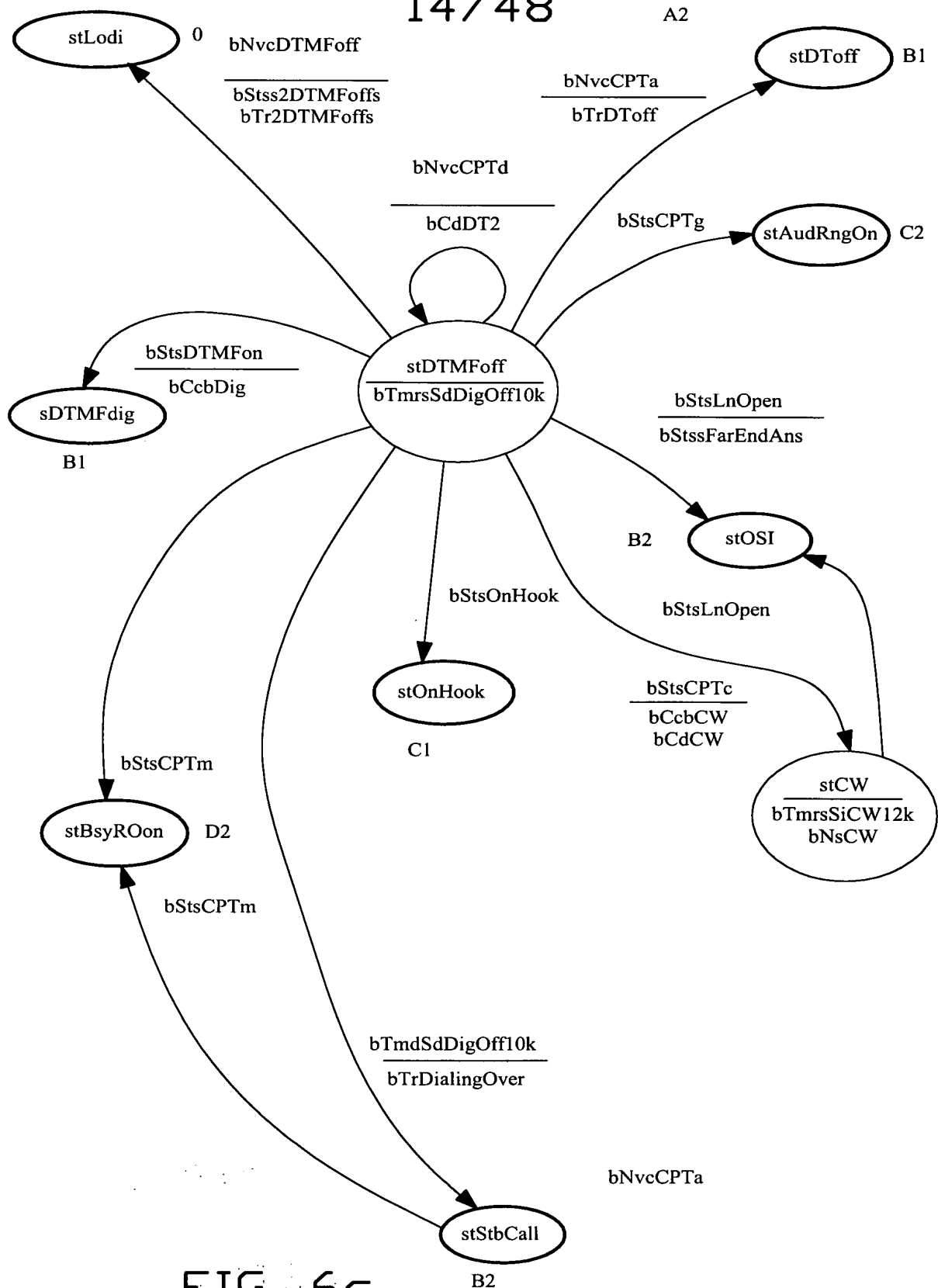
12/48

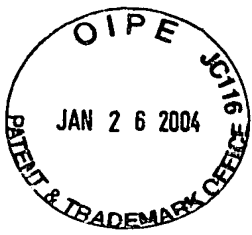
1 = 1 500 2 = 1 2000
OrigCallsOnly
TermCalls=bTmdSiOnHk2





A2





15/48

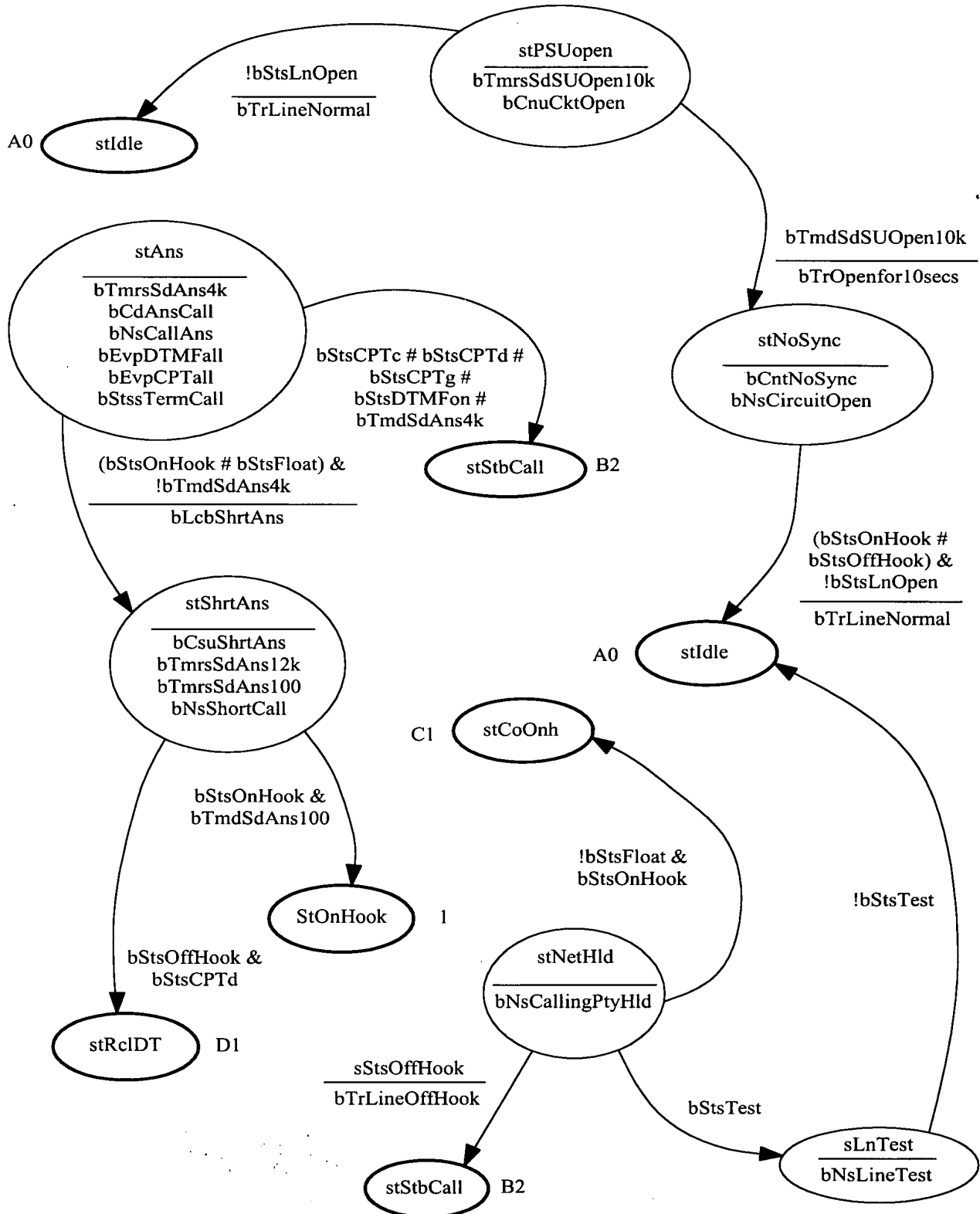
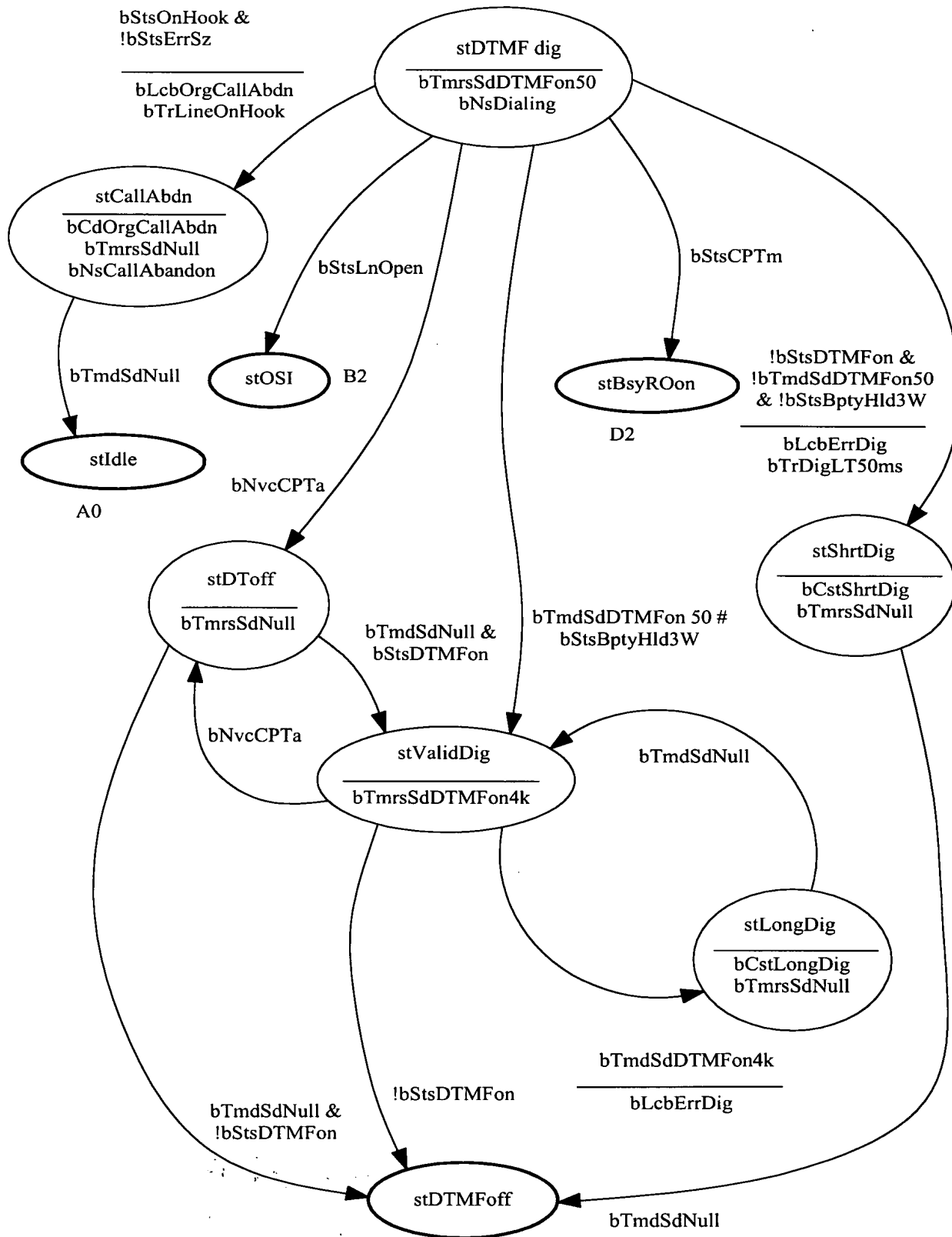


FIG. 6d

16/48





17/48

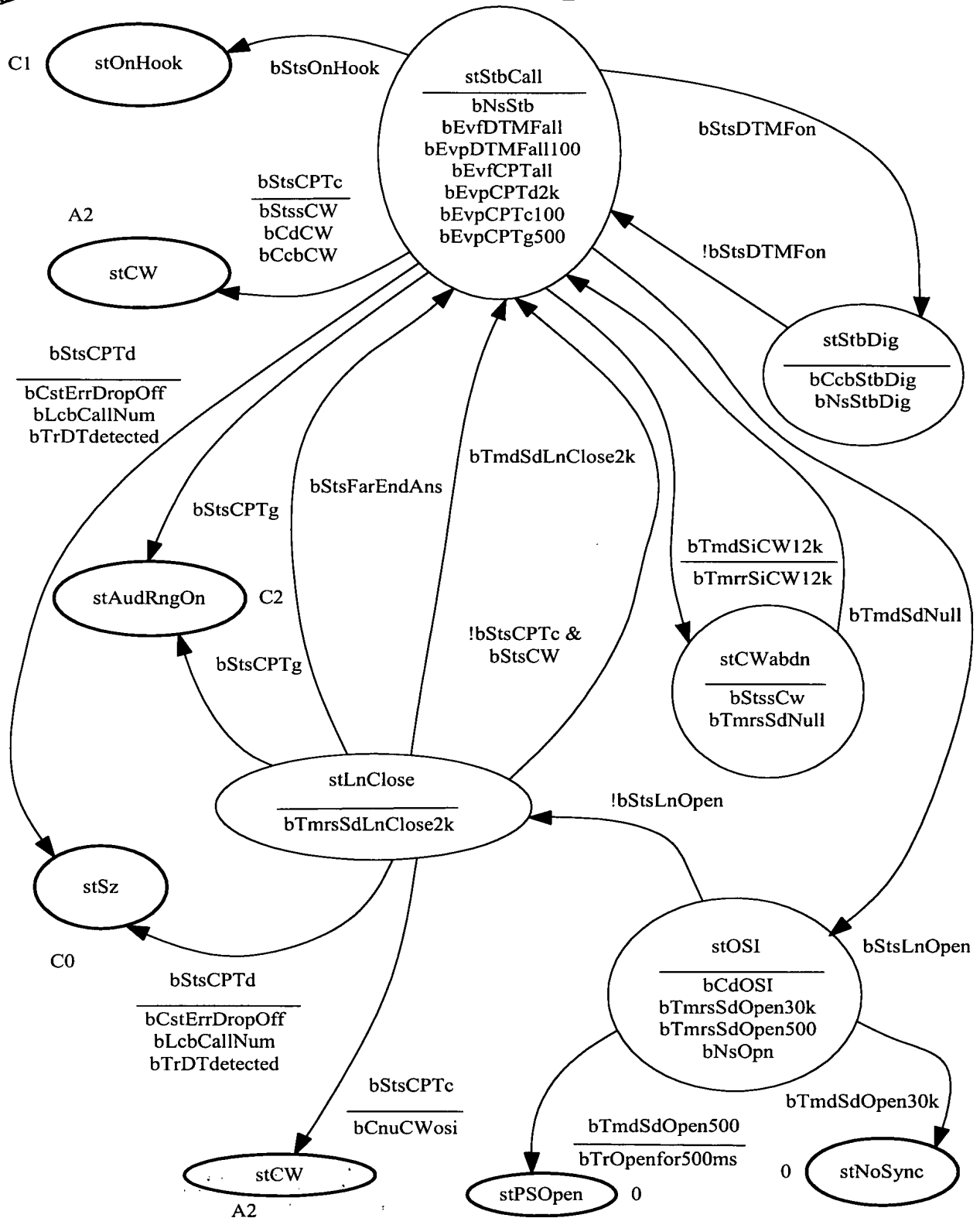


FIG. 6f



18/48

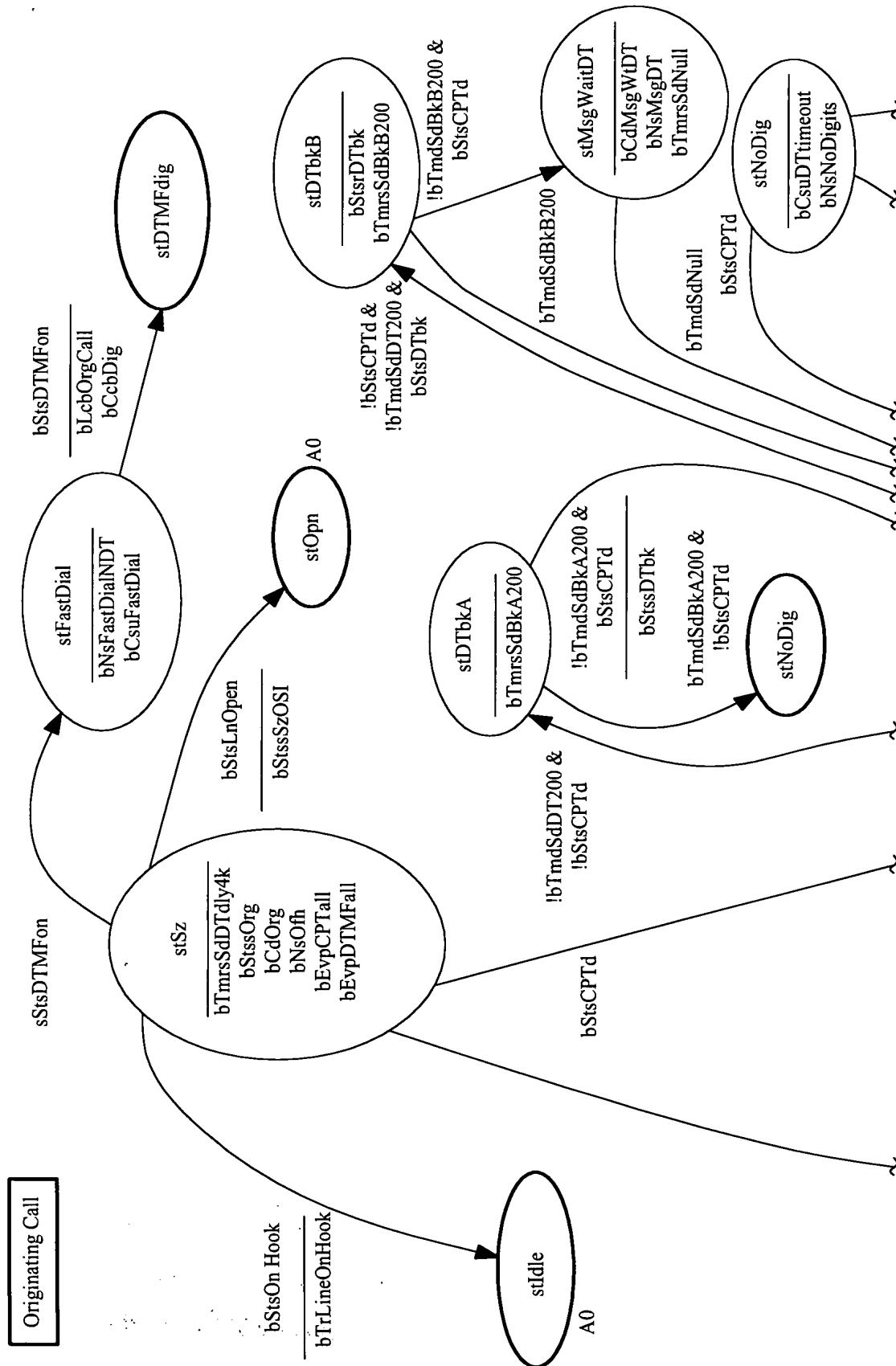
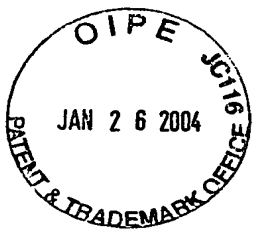


FIG. 6g1



19/48

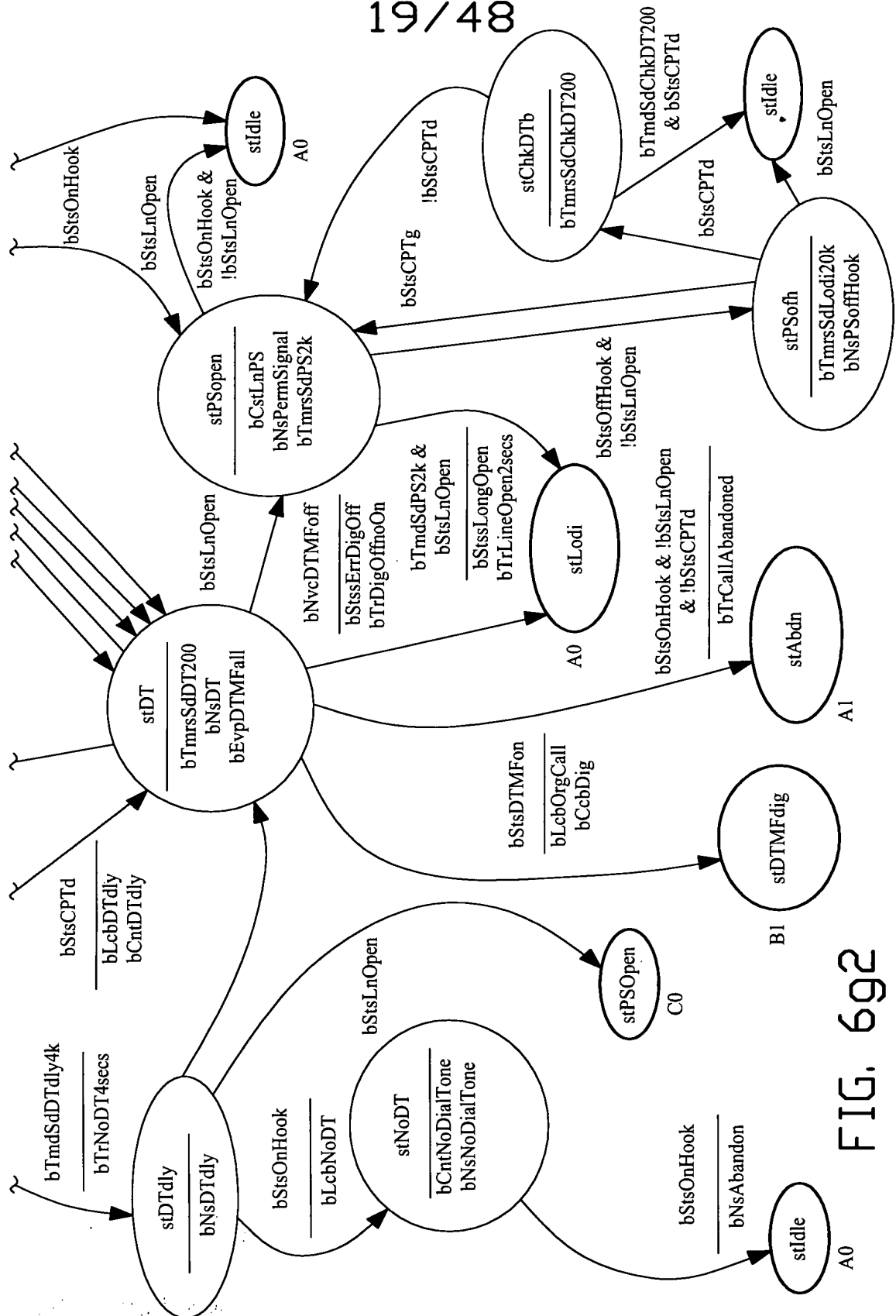
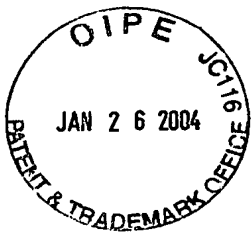


FIG. 692



20/48

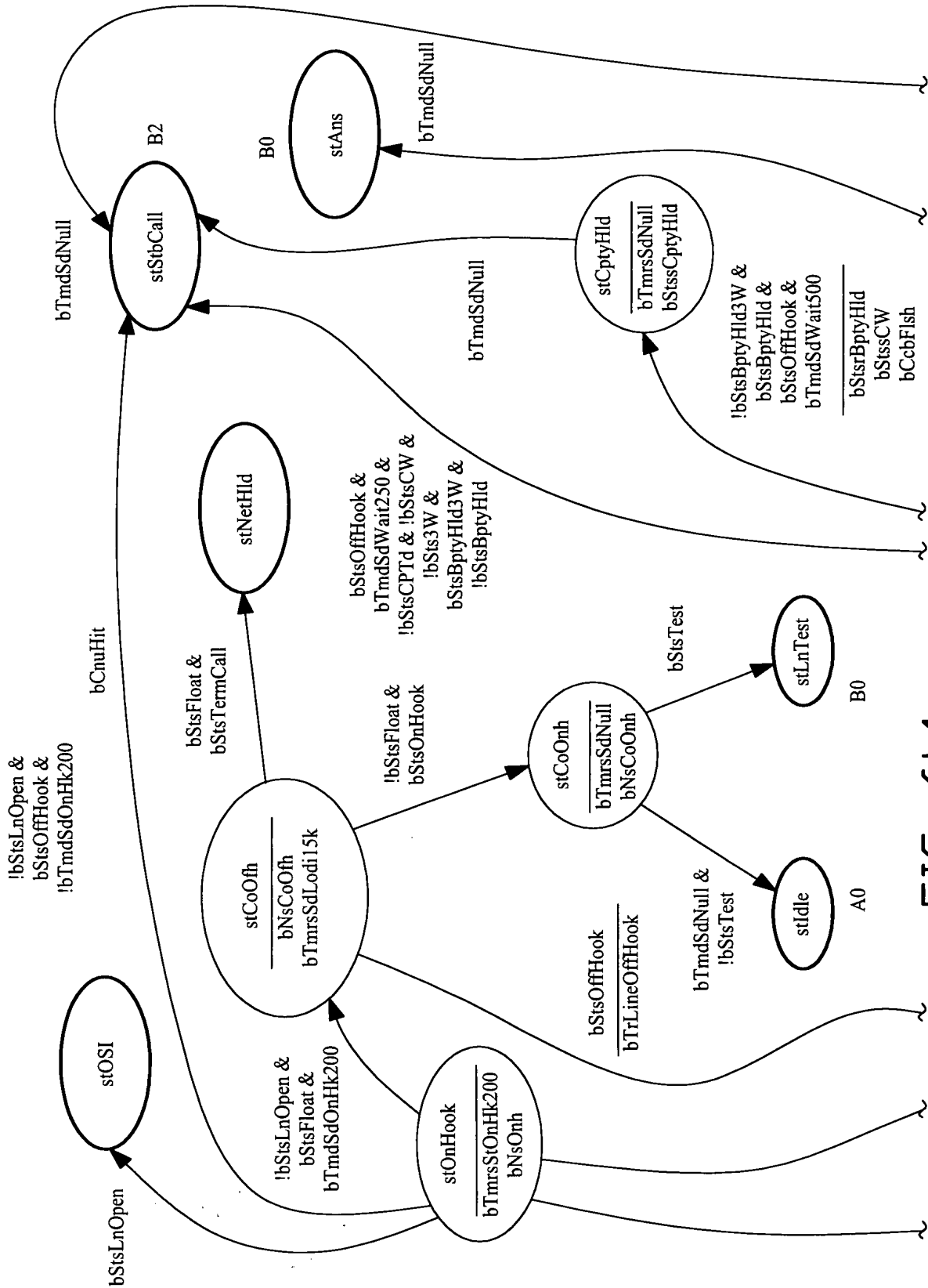


FIG. 6h1



21/48

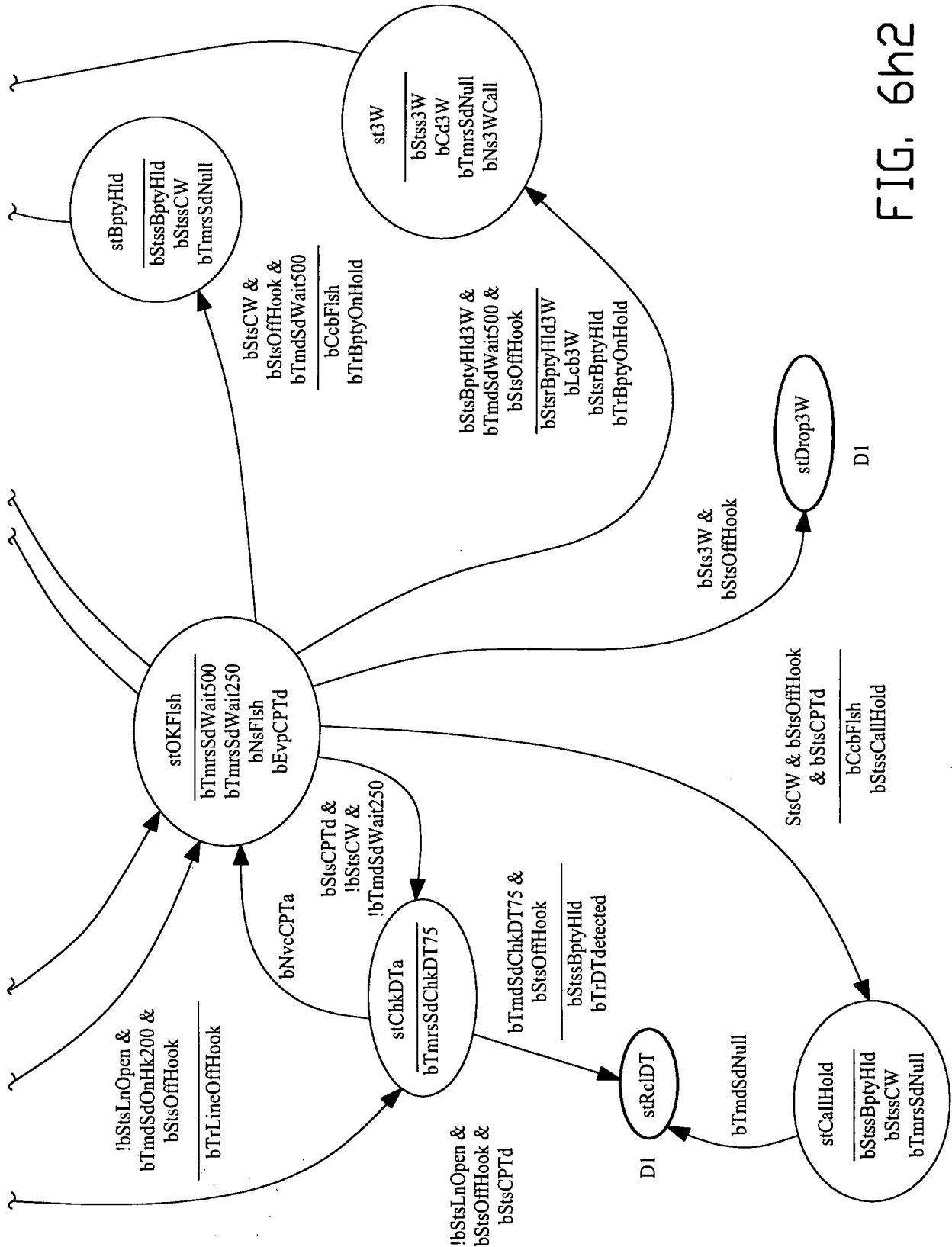


FIG. 6h2



22/48

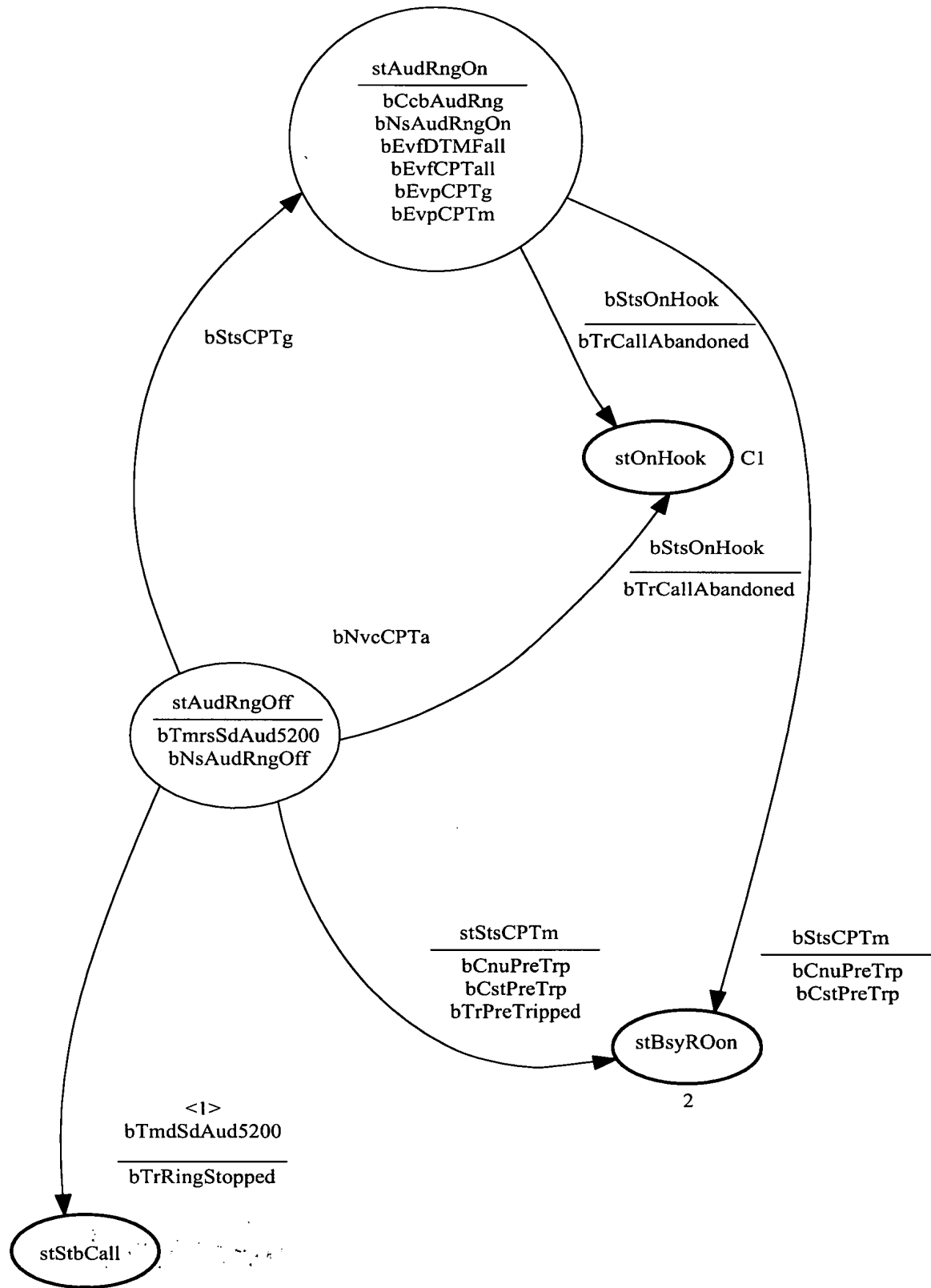


FIG. 6i



23/48

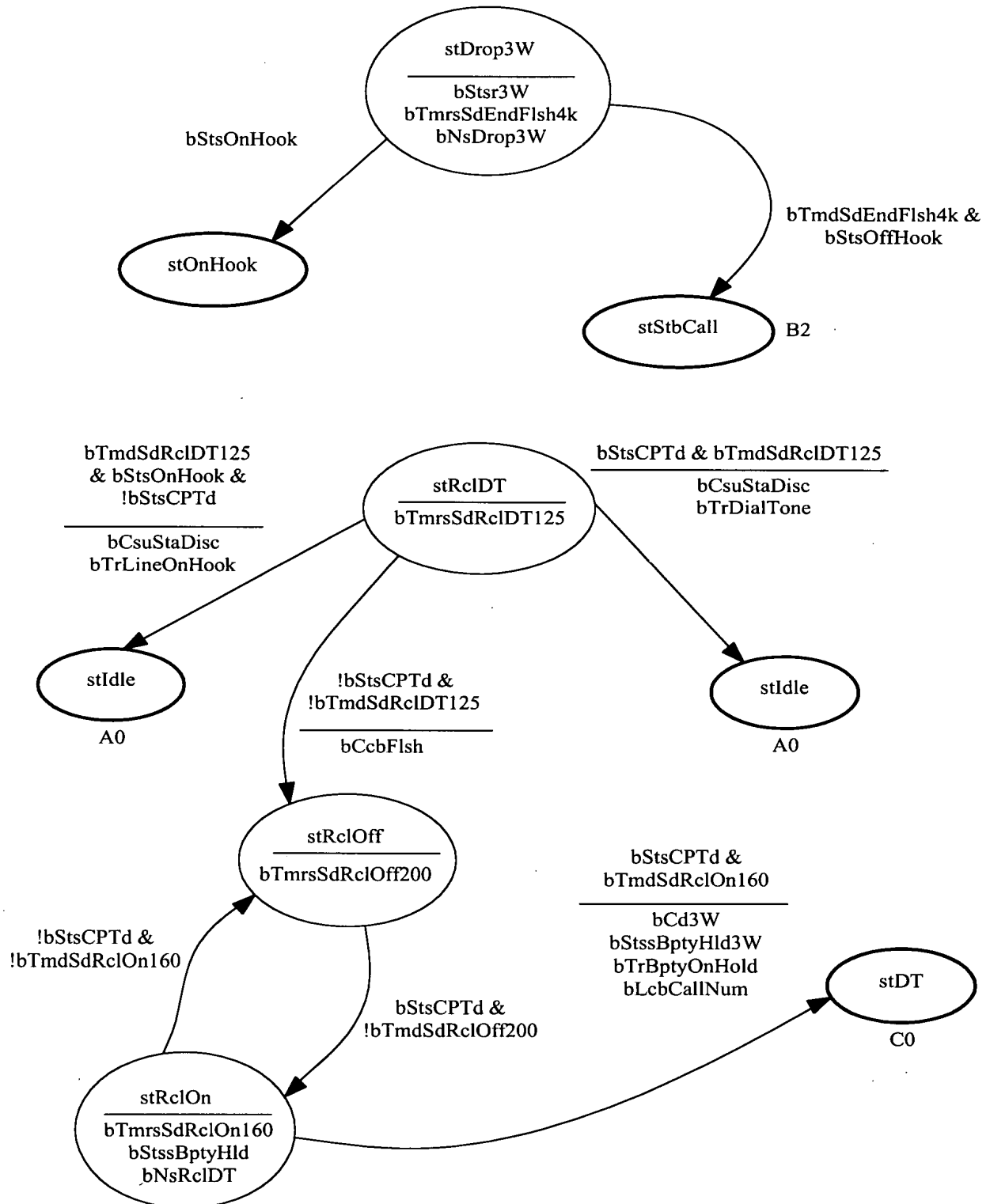


FIG. 6j



24/48

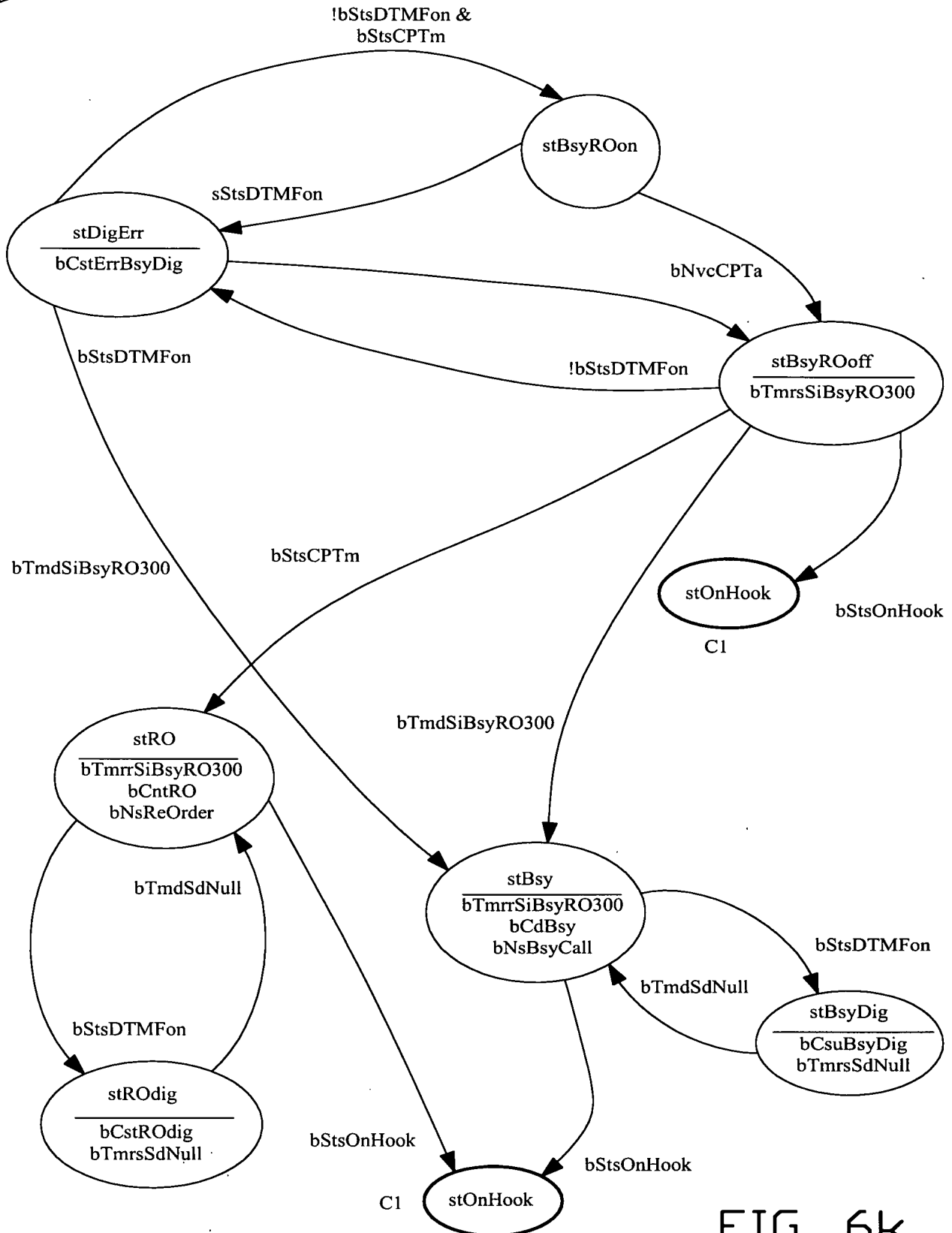


FIG. 6k



25/48

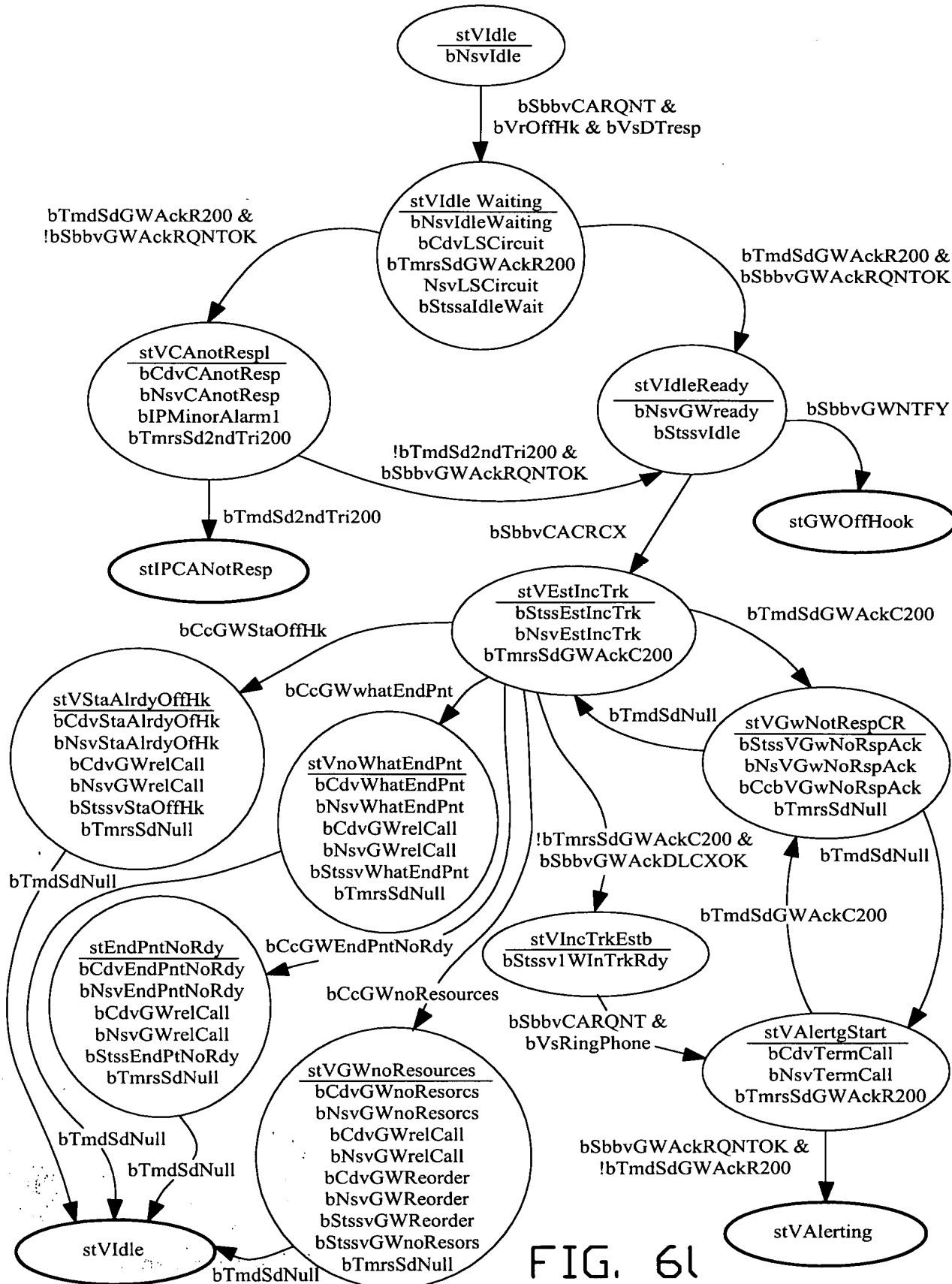


FIG. 61



26/48

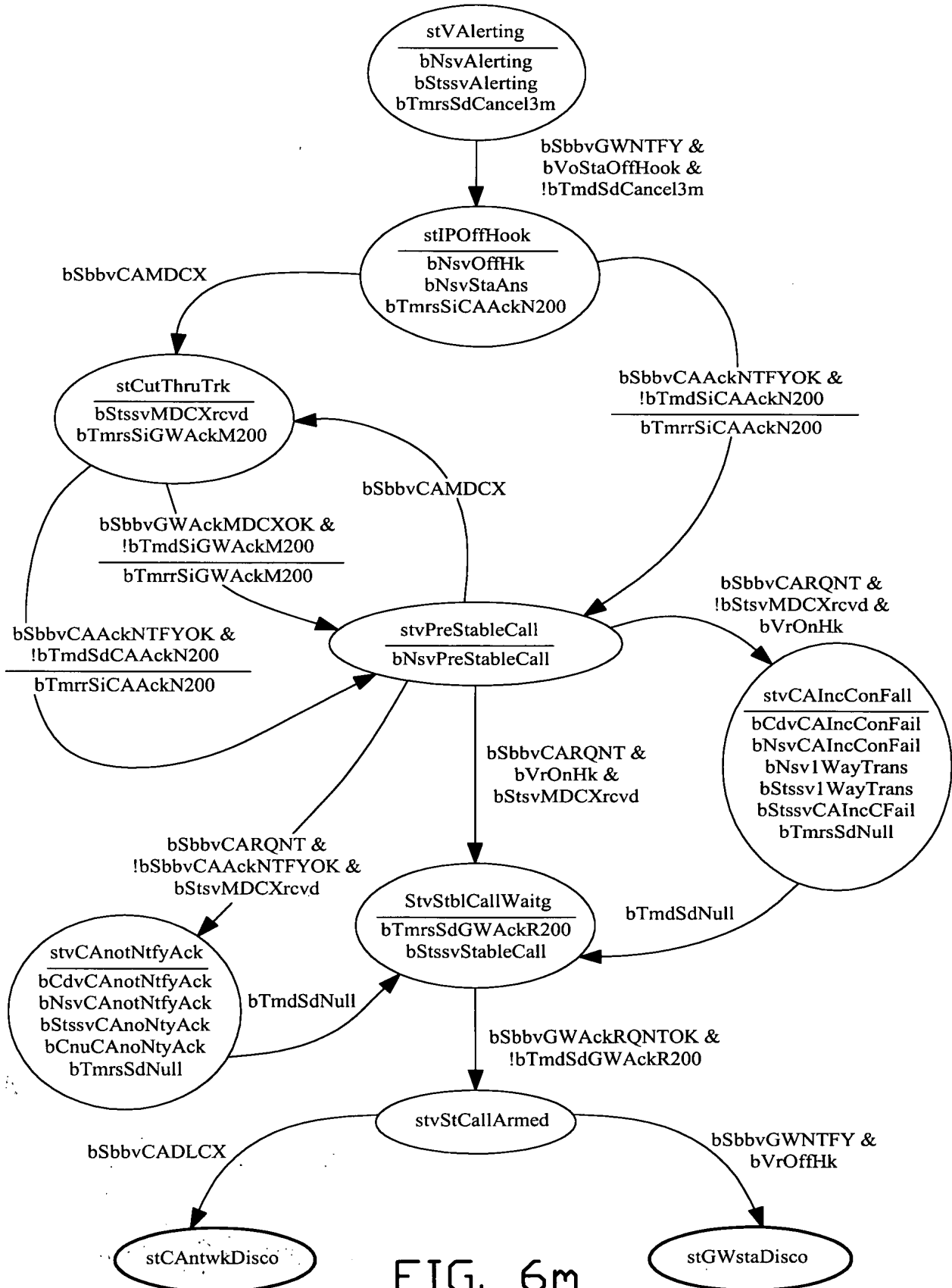


FIG. 6m



27/48

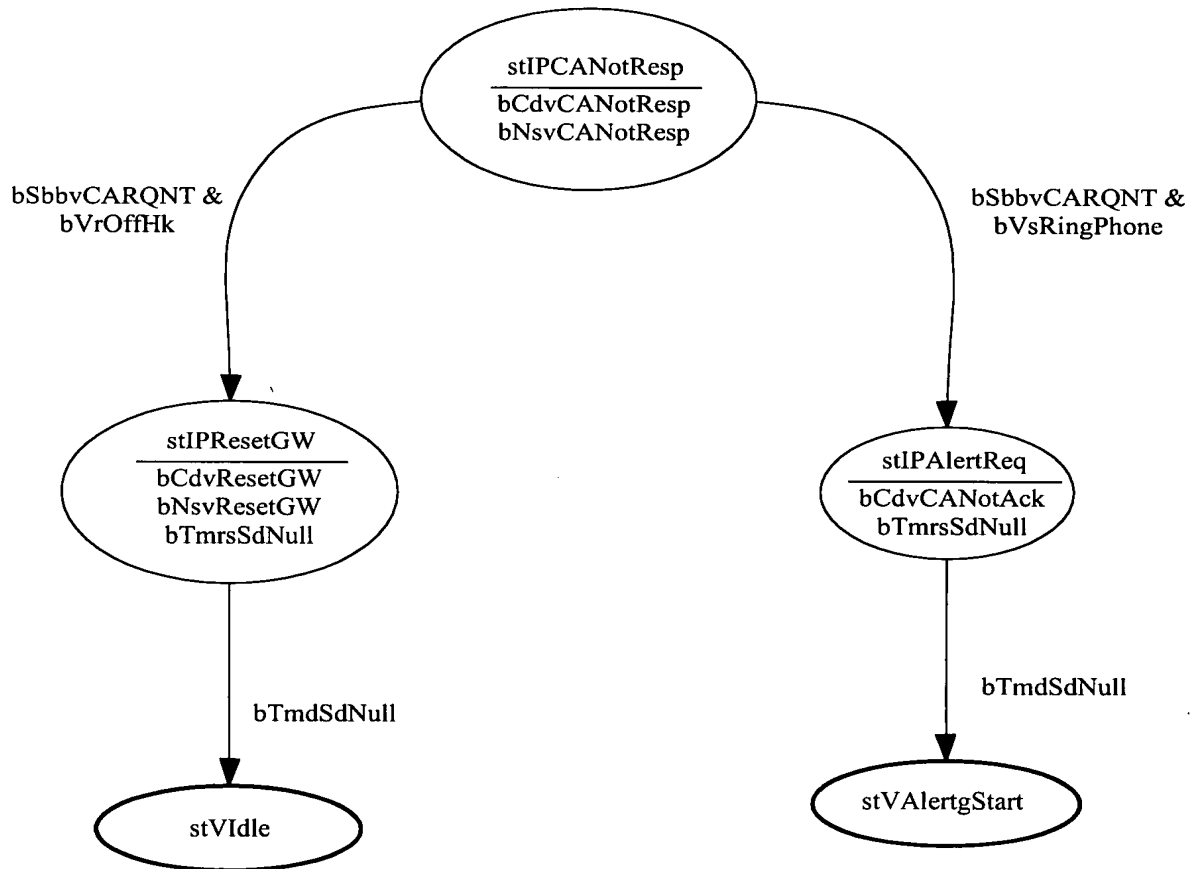


FIG. 6n



28/48

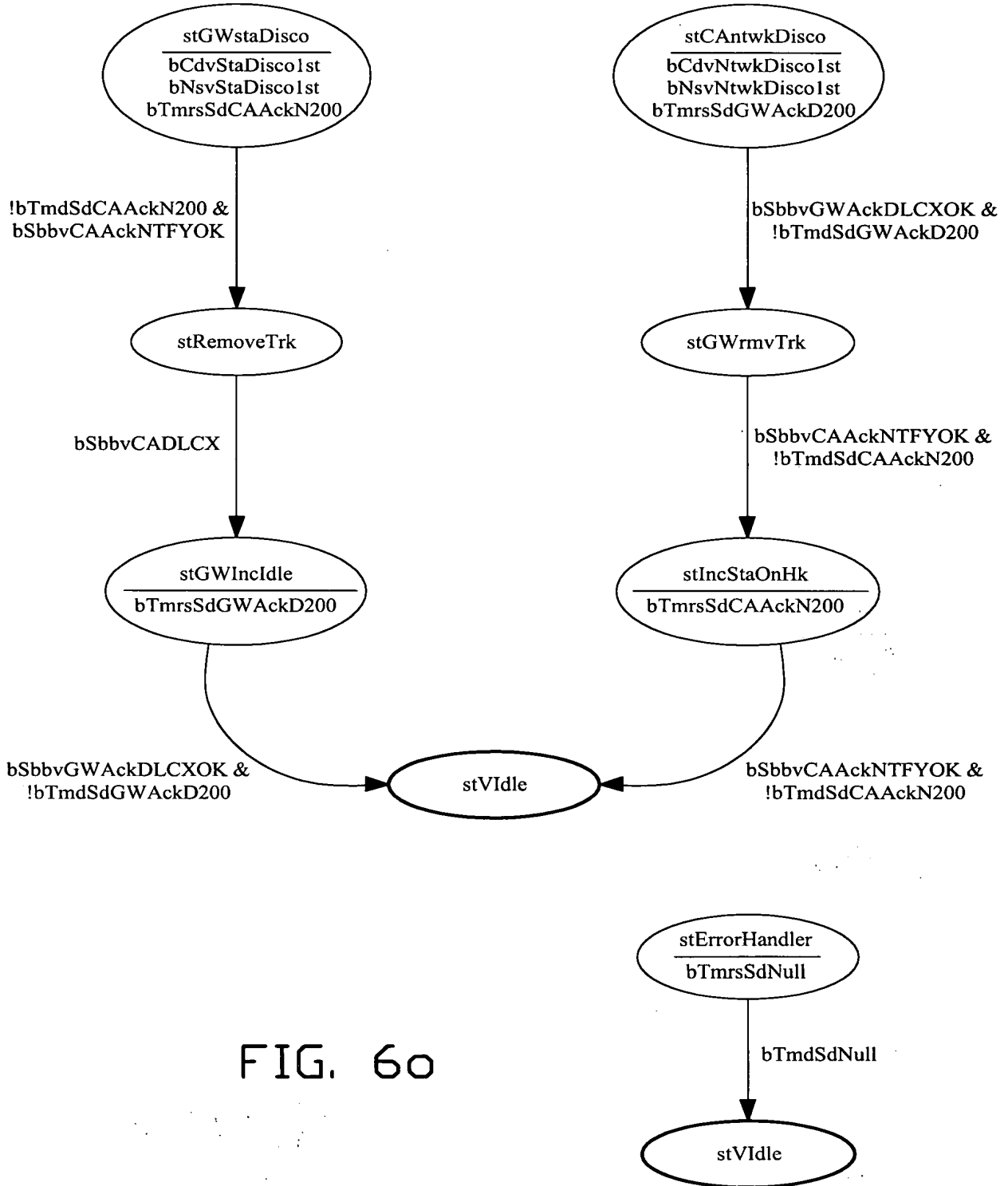


FIG. 60



29/48

bDig0T
bDig00T
bDig1t7
bDigxxx
bDig8xxxxxxx
bDigPxxxxxxx
bDigAxx
bDig91xxxxxxxxxx
bDig9011xT

CRCX 1204 endpoint-1@rgw-2567.whatever.net
SGCP1.1
C: A3C47F21456789F0
L: p:10, a:G.711;G.726-32
M: recvonly

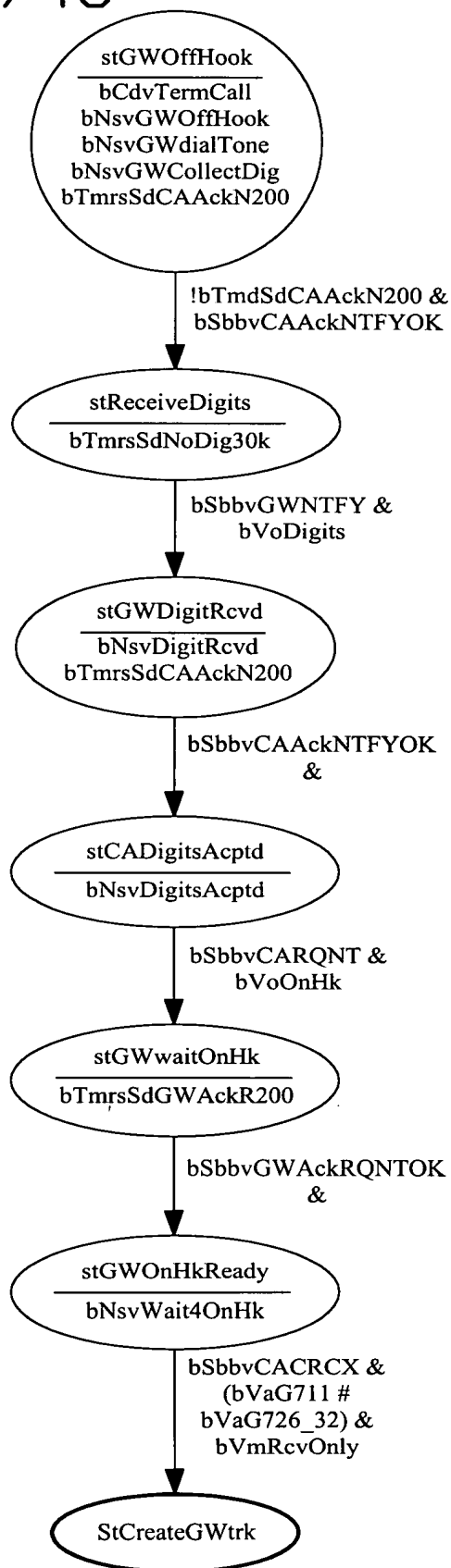
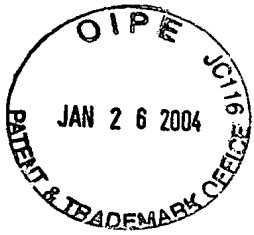


FIG. 6p



30/48

MDCX 1206 endpoint-1@rgw-2567.whatever.net SGCP1.1
C:A3C47F21456789F0
1:FDE234C8
M: recvonly

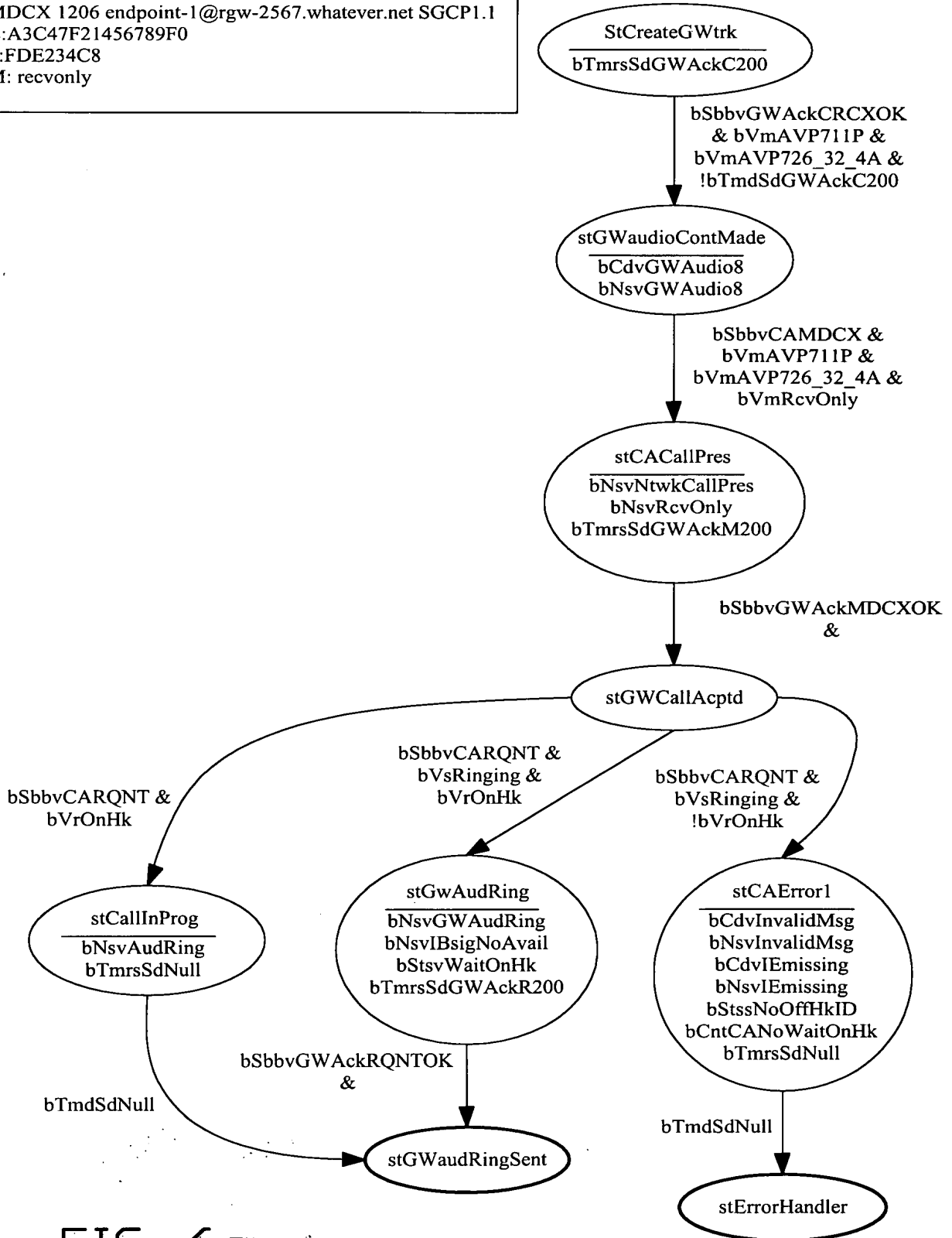


FIG. 6q



31/48

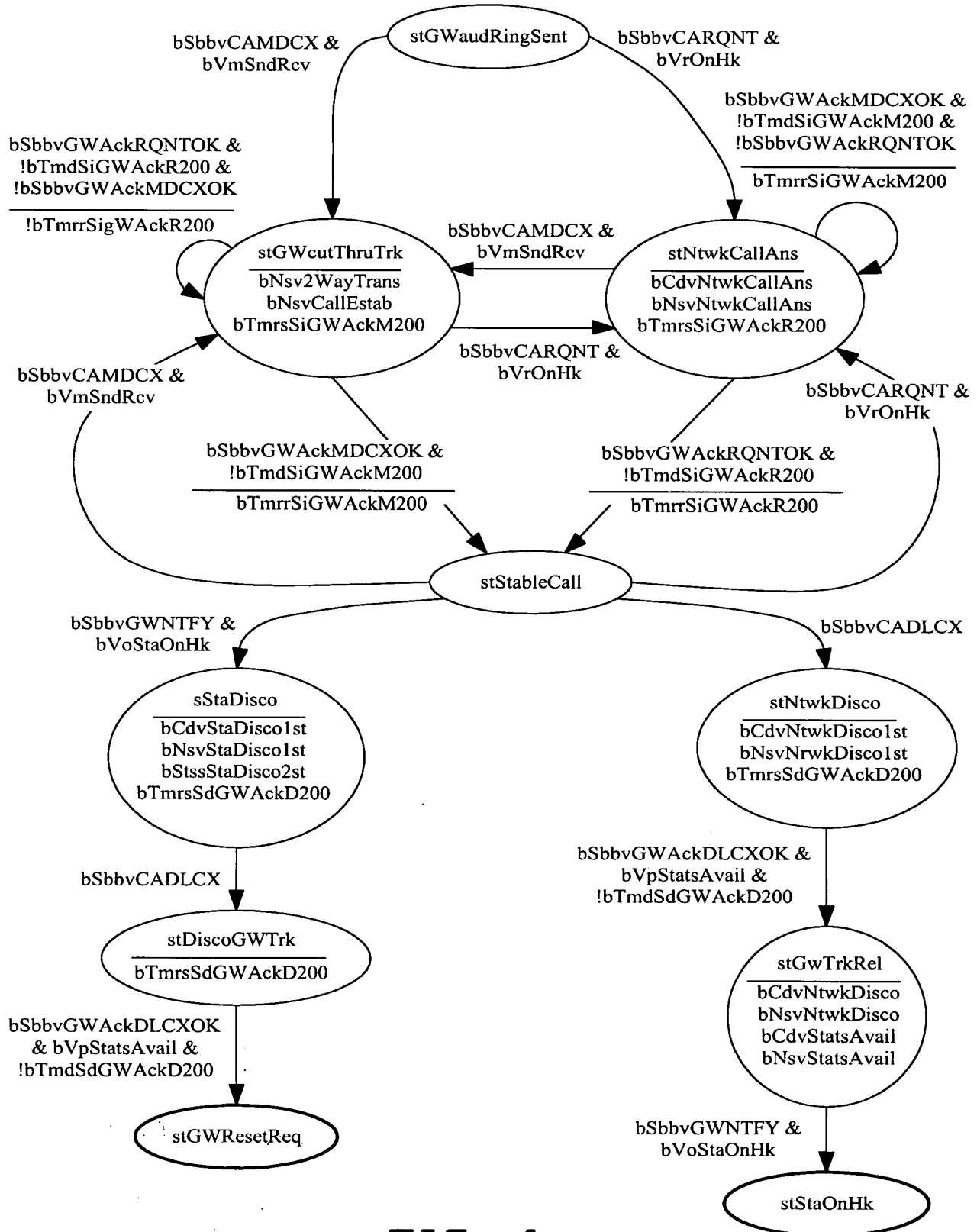


FIG. 6r



32/48

MDCX 1206 endpoint-1@rgw-2567.whatever.net SGCP1.1
C:A3C47F21456789F0
1:FDE234C8

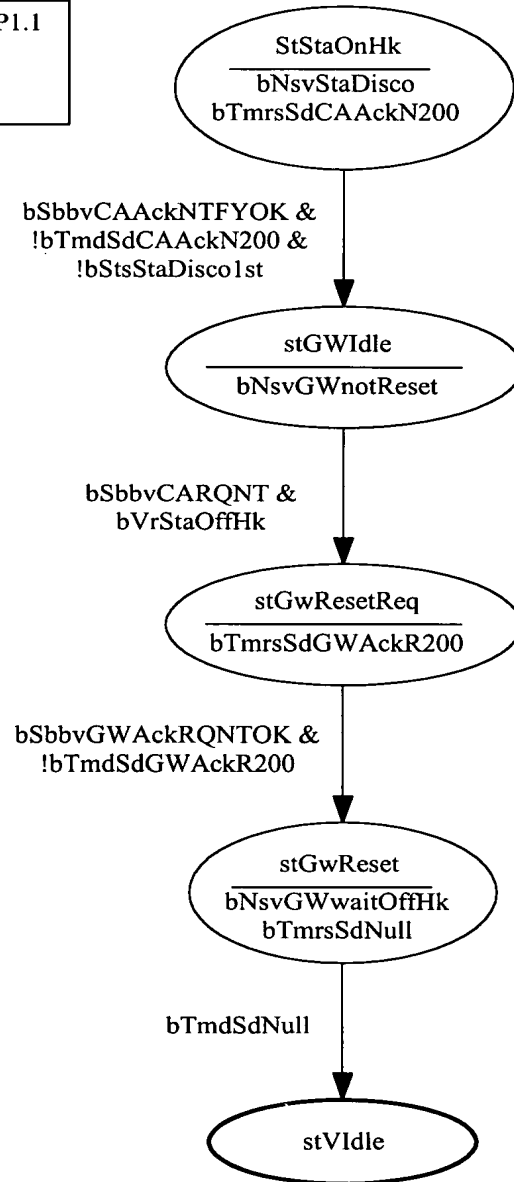
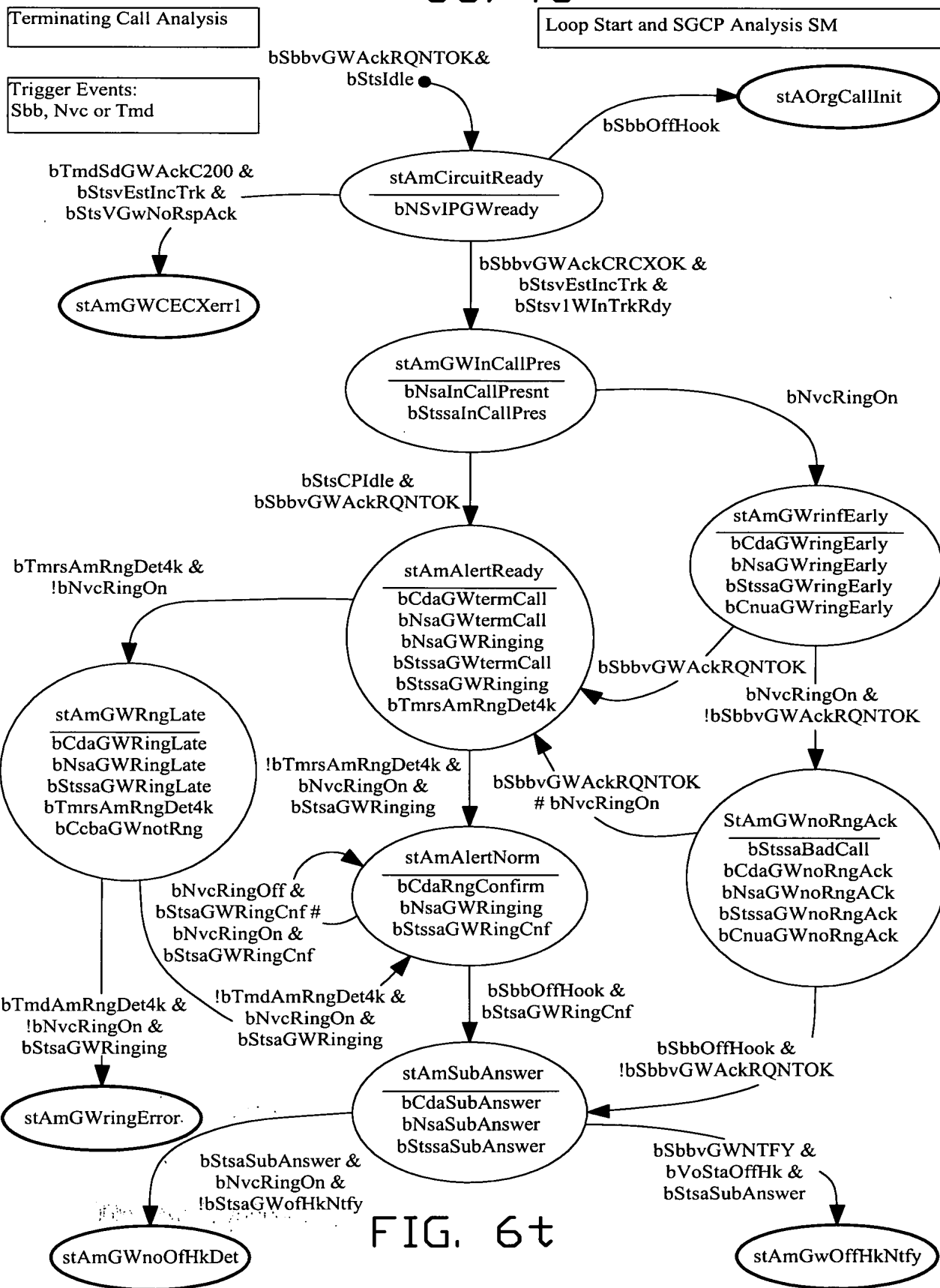


FIG. 6s



33/48





34/48

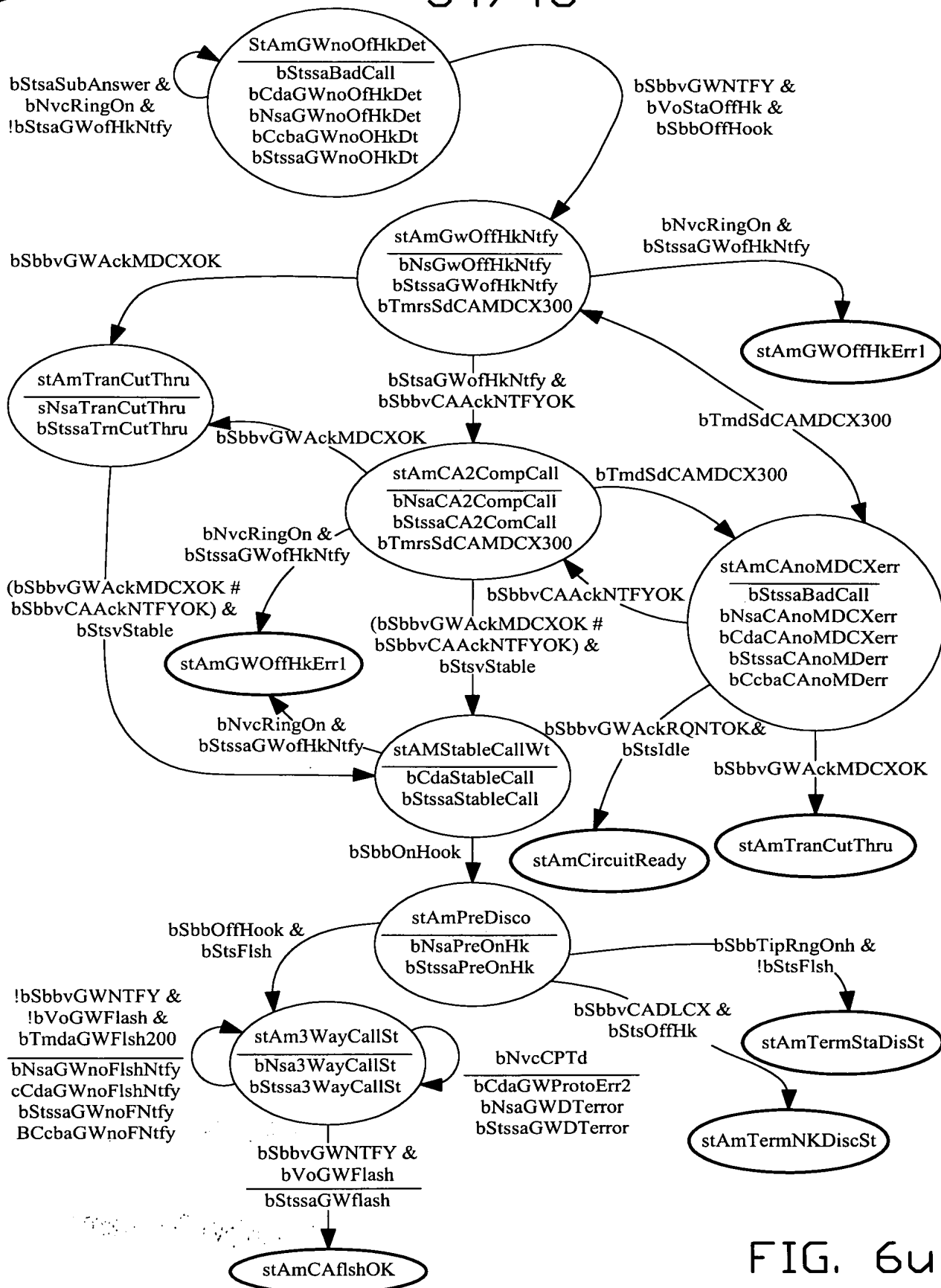
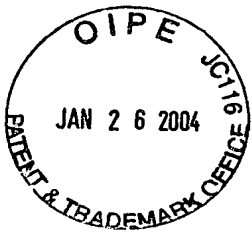


FIG. 6u



35/48

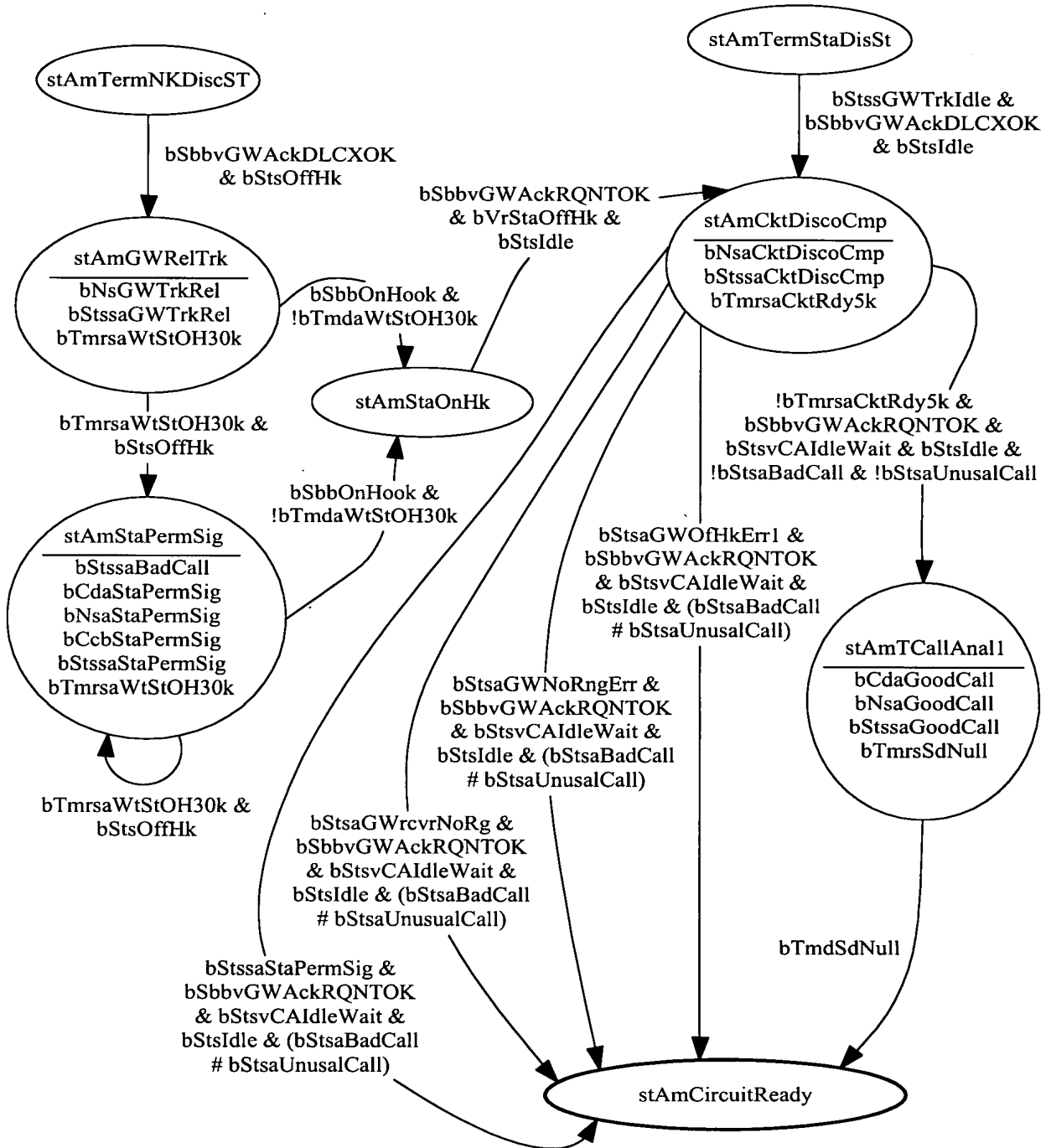


FIG. 6v



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

36/48

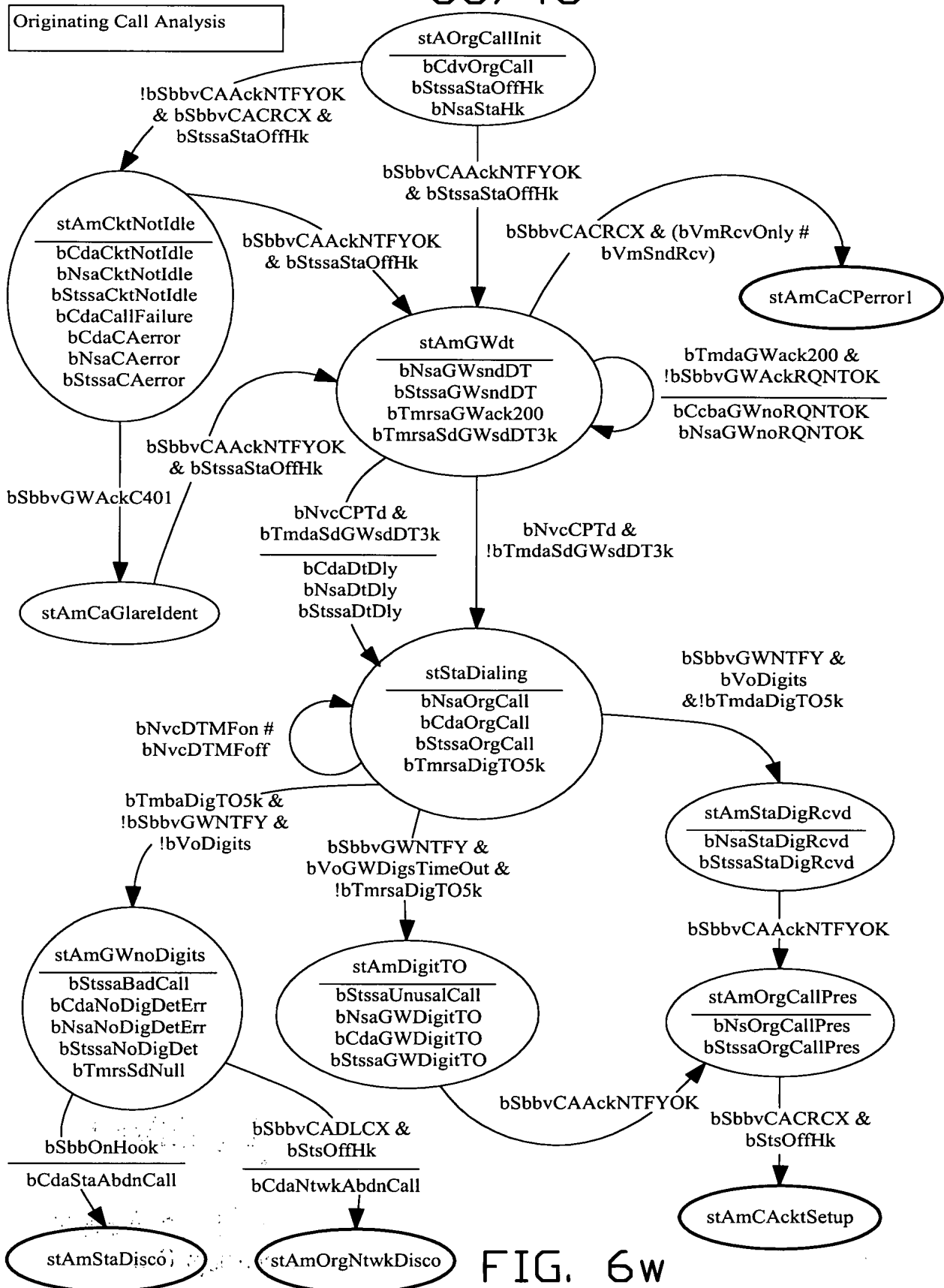
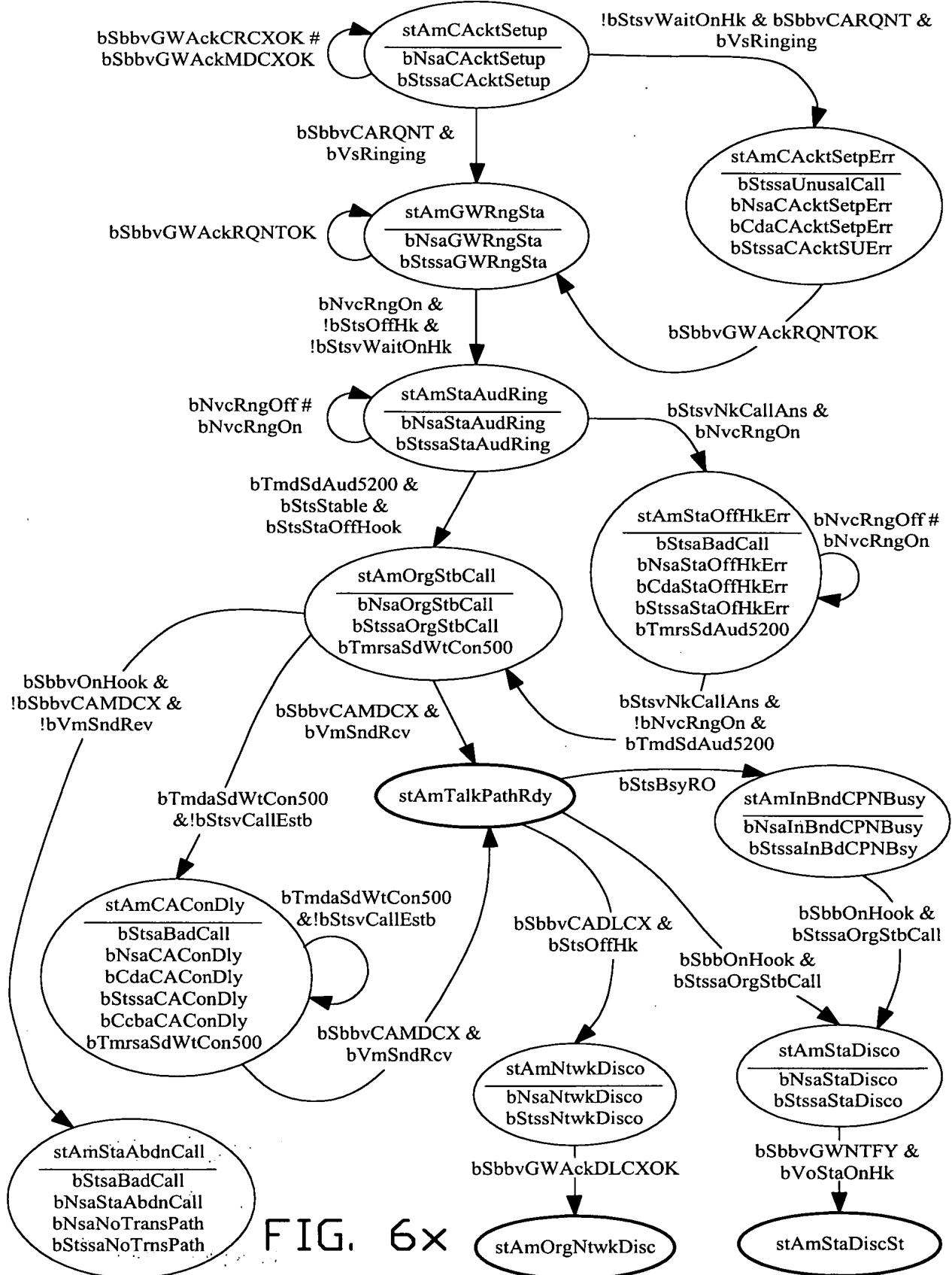


FIG. 6w



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

37/48



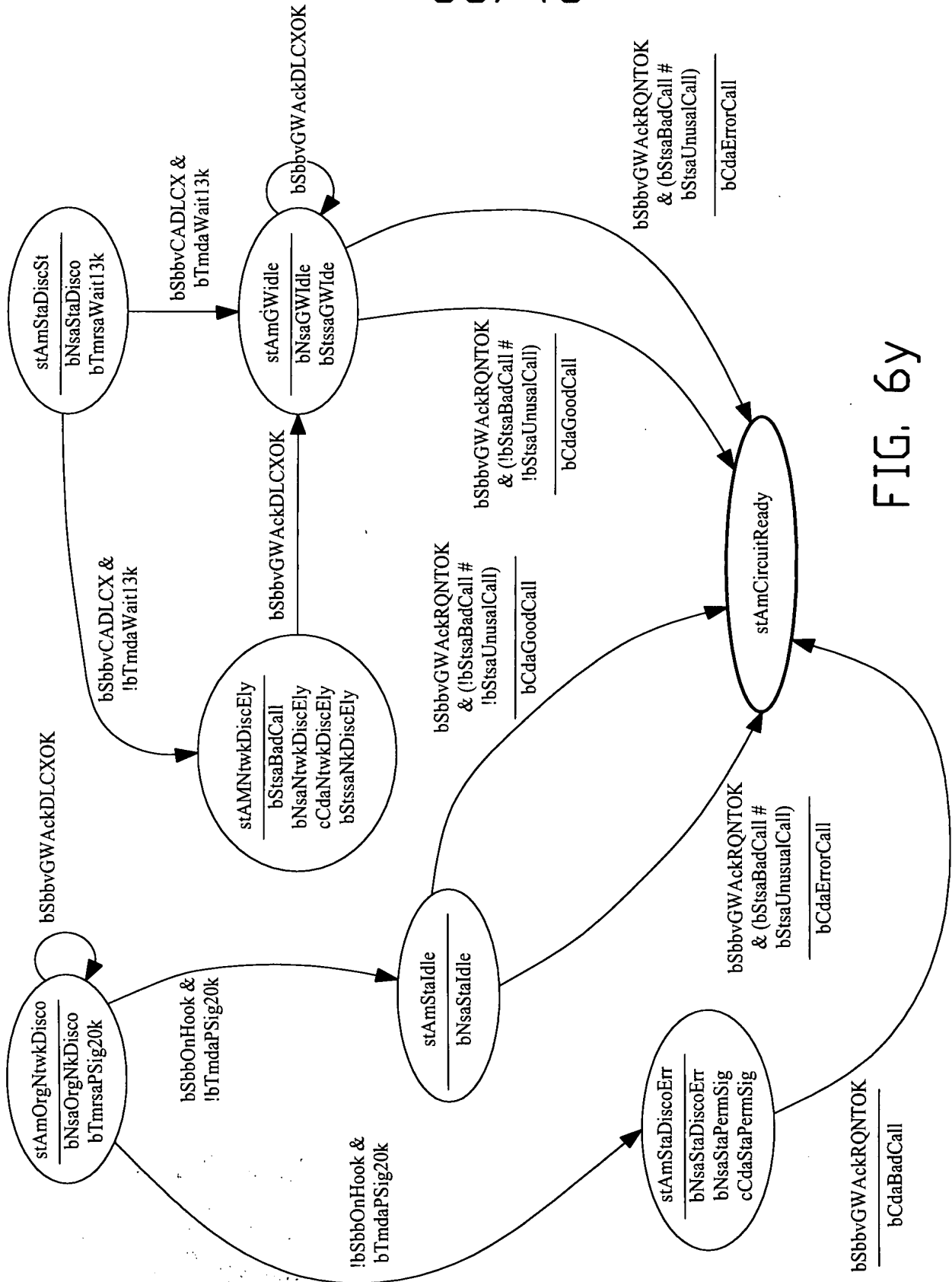
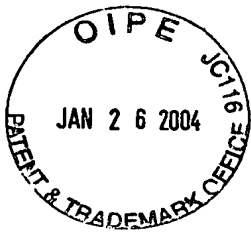


FIG. 6y



39/48

Terminating Call Errors

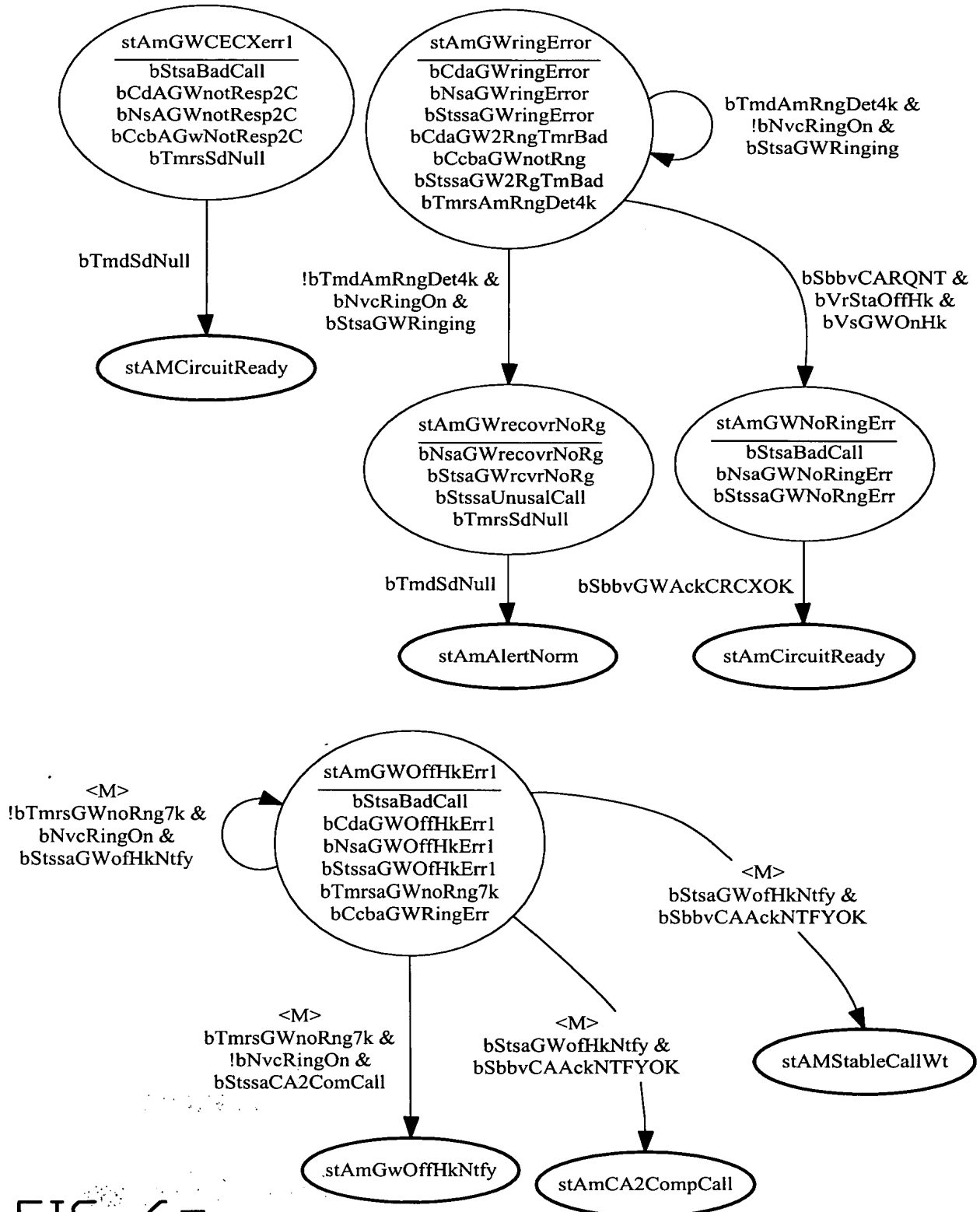


FIG. 6z



40/48

Originating Call Errors

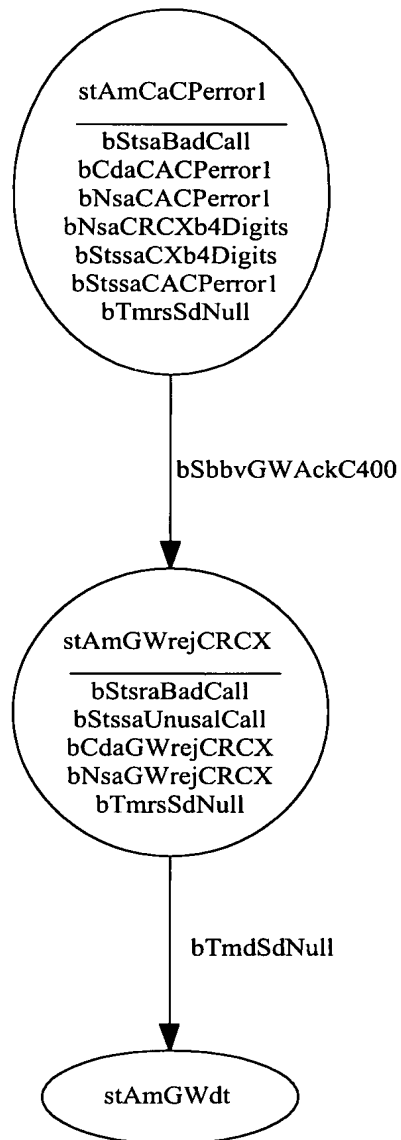


FIG. 6z1



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

41/48

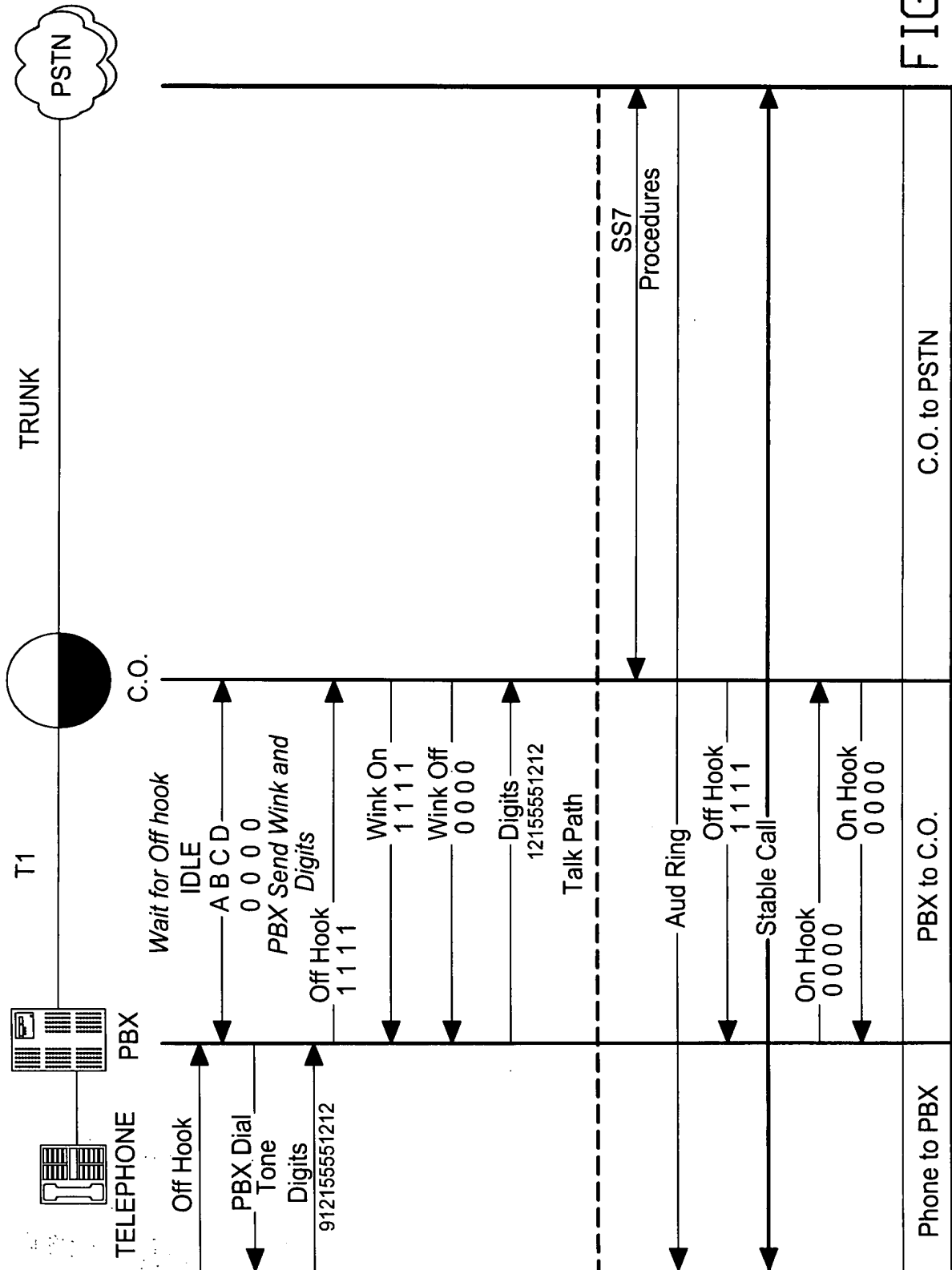
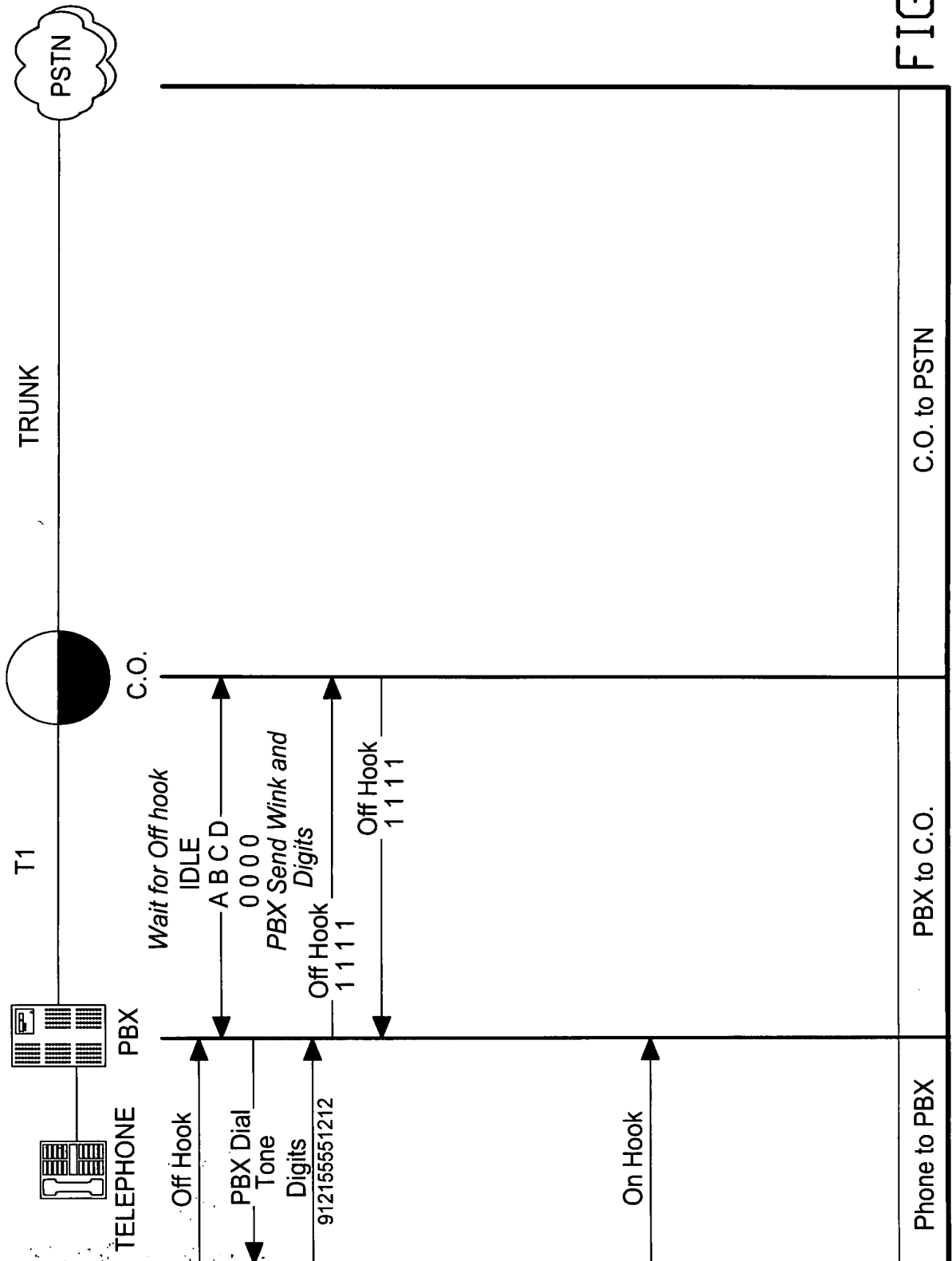
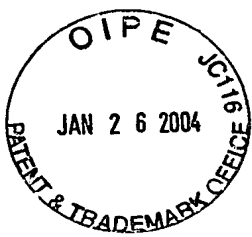


FIG. 7





43/48

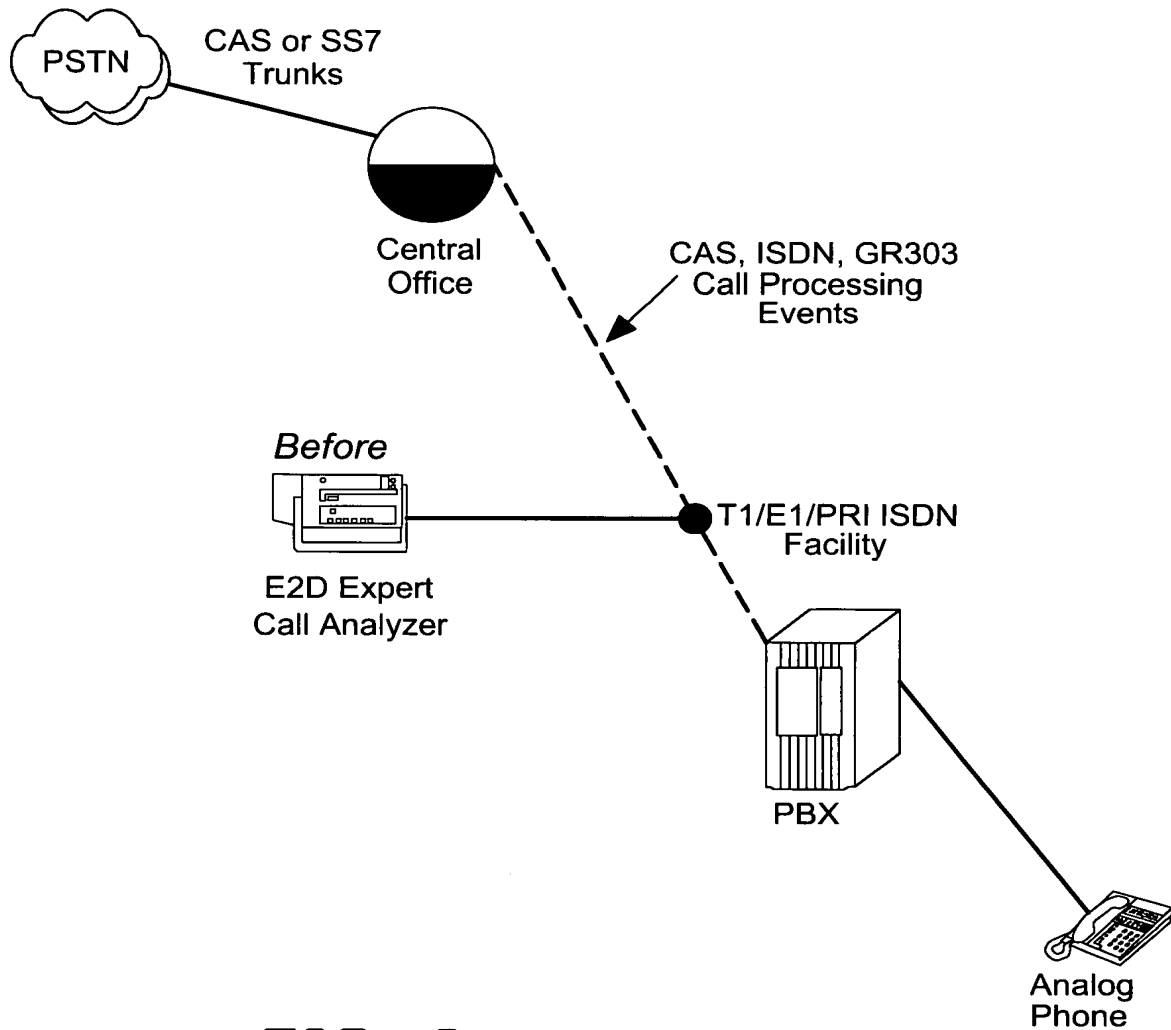


FIG. 9



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

44/48

Subscriber:

Facility Type: T1, ESF, B8ZS

Date 04/13/99

Facility	Channel	Circuit Type	Outgoing Call Count	Incoming Call Count	Status
1	1	2Way Wink Start DTMF	132	0	
1	2	2Way Wink Start DTMF	112	0	
1	3	2Way Wink Start DTMF	97	0	
1	4	2Way Wink Start DTMF	88	0	
1	5	2Way Wink Start DTMF	65	0	
1	6	2Way Wink Start DTMF	40	0	
1	7	2Way Wink Start DTMF	36	1	
1	8	2Way Wink Start DTMF	23	1	
1	9	2Way Wink Start DTMF	18	4	
1	10	2Way Wink Start DTMF	12	7	
1	11	2Way Wink Start DTMF	8	11	
1	12	2Way Wink Start DTMF	5	34	
1	13	2Way Wink Start DTMF	2	46	
1	14	2Way Wink Start DTMF	1	58	
1	15	2Way Wink Start DTMF	0	69	
1	16	2Way Wink Start DTMF	0	81	
1	17	Not Used	0	0	
1	18	Not Used	0	0	
1	19	Not Used	0	0	
1	20	Loop Start Voice	15	12	
1	21	Loop Start Voice/Modem	8	10	
1	22	Loop Start Modem	5	1	
1	23	Loop Start FAX	33	9	
1	24	Not Used	0	0	
Total			700	344	

FIG. 10



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

45/48

Digit Map

Subscriber:

# of Digits	Digit String	Direction
1	None	
2	90	Outgoing
3	900	Outgoing
4	XXXX (4000 – 6500)	Intra PBX
	9411	Outgoing
	9611	Outgoing
	9711	Outgoing
5	None	
6	None	
7	None	
8	Dial 9, XXXXXXXX	Outgoing
9	None	
10	None	
11	Dial 9, 1, NPA-NXX-XXXX	Outgoing
	Dial 8, 1, NPA-NXX-XXXX	Outgoing
	Dial 8, 0, NPA-NXX-XXXX	Outgoing
12	None	
13	None	
14	Dial 8, 011, CC-XXXXXXXXXX	Outgoing
15	None	
16	Dial 8, 011, CC-XXXXXXXXXXXX	Outgoing
17	None	
18	None	
19	8, 1010, XXX, 1, NPA-NXX-XXXX	Outgoing
Misc.	XXXX – IVR/Voice Mail	Incoming

Notes:

Toll Diversion Detected
Answer Supervision Detected
Avg. Inter-Digit timing = 127 ms
Auto-dialers detected – Inter-digit timing 45 ms
No International calls detected

FIG. 11



46/48

Call Handling Performance - Totals

Subscriber:

Date: 04/13/99

	Attempts	Comp	Bad Digits	Abdn. Calls	Reorder	Busy	Other	Voice	Data	FAX
Incoming Calls	352	343	0	2	0	5	2	343	1	9
Outgoing Calls	797	700	23	41	4	16	13	660	7	33
Busy Hours	10:00	11:00	13:00	14:00	16:00	17:00				
Available Circuits	20	18	20	20	20	20				
Required Circuits (.1% Congestion)	23	25	19	21	28	22				

Top 10 Failures

Trouble	Direction	% of Total
Ring No Answer	Outgoing	4%
Bad Digits	Outgoing	2%
Busy	Both	2%
Dead After Dialing	Outgoing	1%
Reorder	Outgoing	.3%

FIG. 12



47/48

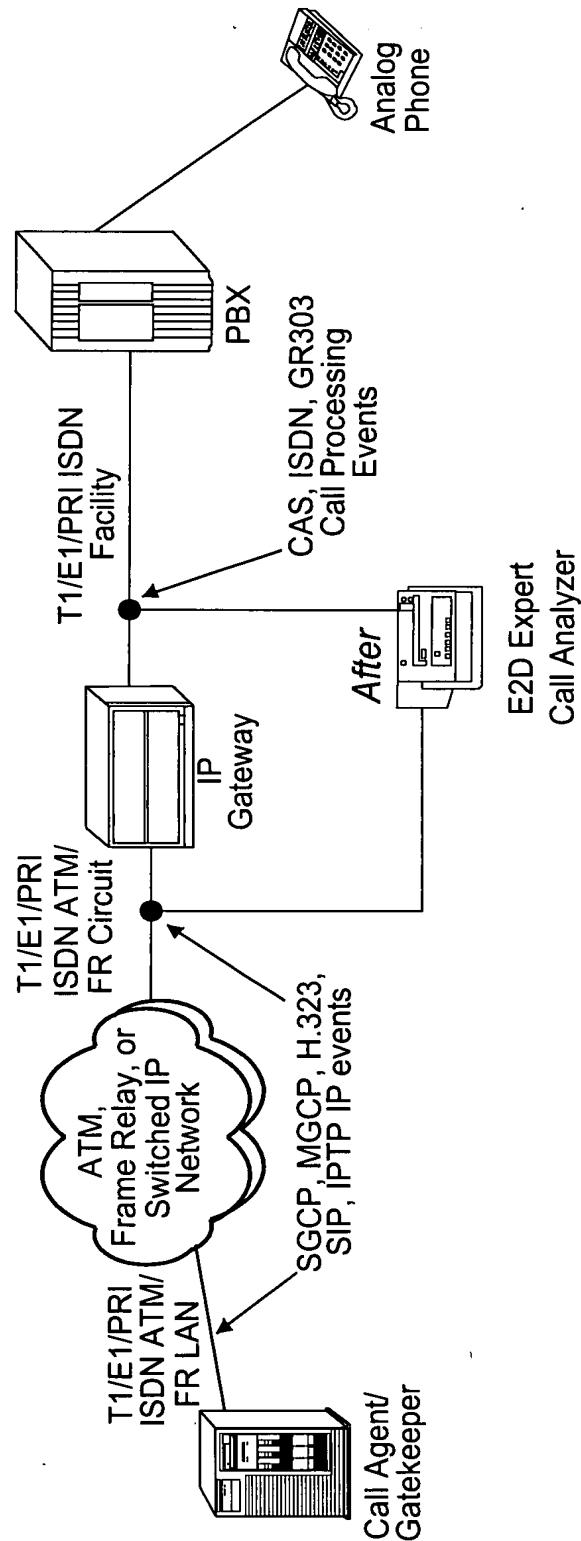


FIG. 13



EXPERT CALL ANALYZER AND NEXT GENERATION
TELEPHONY NETWORK CONFIGURATION SYSTEM
INVENTOR: PESTER
APP NO. 09/478,078 DOCKET NO. 023341.P002

48/48

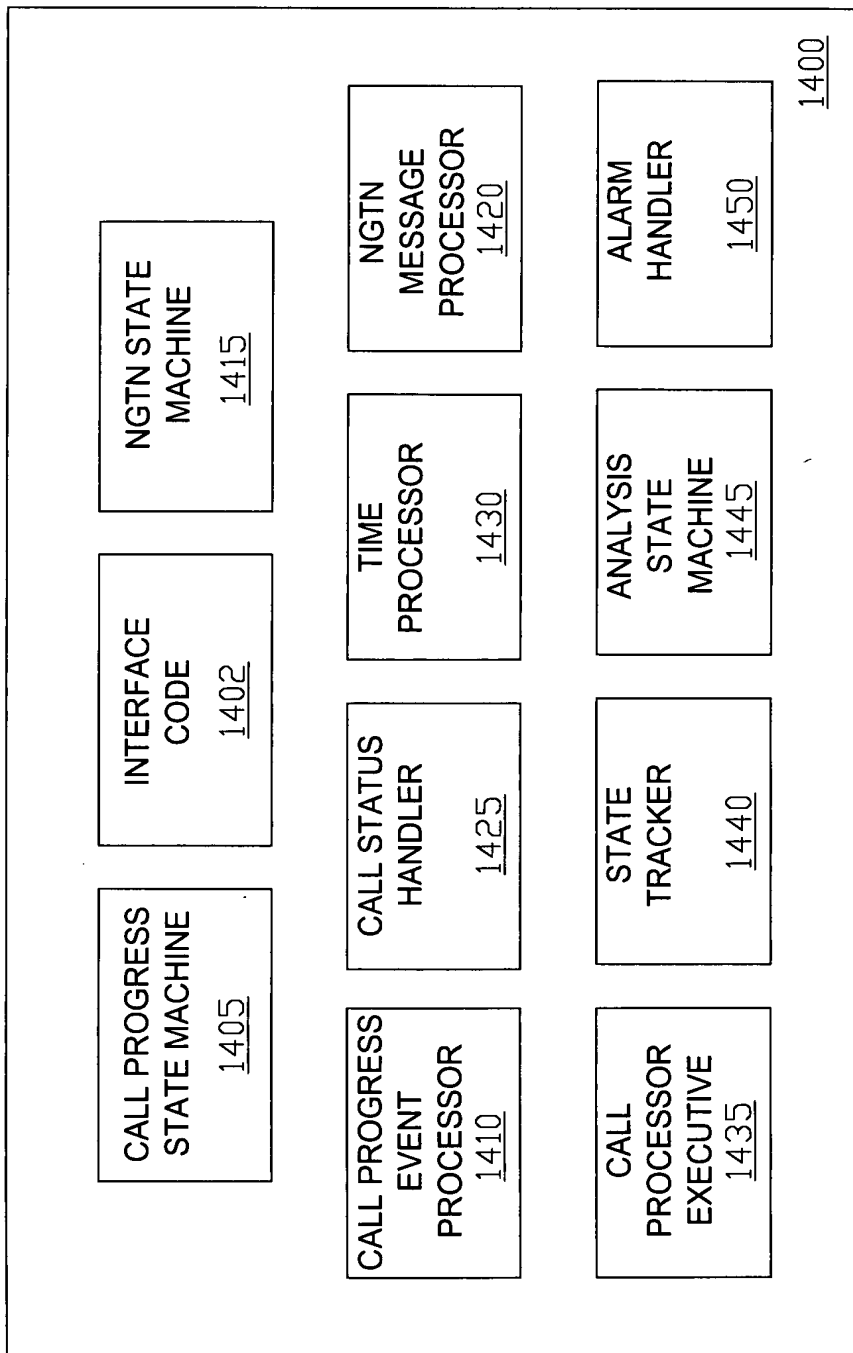


FIG. 14